FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: ML-22060
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT AGREEMENT NAME: Gilsonite
8. FARM OR LEASE NAME: Gilsonite
9. WELL NO.: State #2A-32T-8-17 add well name
10. FIELD AND POOL OR WILDCAT: Monument Butte 105
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE Sec. 32, T8S, R17E
12. County: Duchesne
13. STATE: UT

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]
1b. TYPE OF WELL: OIL [ ] GAS [X] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Newfield Production Company
3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721
4. LOCATION OF WELL (FOOTAGE)
At Surface: NW/NE 1095' FNL 2294' FEL
At proposed Producing Zone: 582845X 4436738Y 40.078731 -110.028377
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 11.5 miles southeast of Myton, UT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): Approx. 1095' f/lse line & 1095' f/unit line
16. NO. OF ACRES IN LEASE: 598.67
17. NO. OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.: Approximately 2210'
19. PROPOSED DEPTH: 16,900'
20. ROTARY OR CABLE TOOLS: Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5211' GL
22. APPROX. DATE WORK WILL START*: 4th Quarter 2007

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8"	~~61#~~ 68#	3,500'	See Detail Below
12 1/4	9 5/8"	47#	11,000	See Detail Below
8 1/2	4 1/2"	15.1#	TD	See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

***The actual cement volumes will be calculated off of the open hole logs, plus 15% over capiler volume:**

SURFACE PIPE - Lead: 639 sx Premium Lite II Cement + 3% KCl + 2% bentonite,
Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk
Tail: 297 sx Class G with 3% CaCl2, 15.8 ppg, 1.17 yield
INTERMEDIATE - Lead: 288 sx Premium Lite II Cement + 3% KCl + 2% bentoninte
Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk
1265 sx Tail: 50-50 Poz-Class G Cement + 2% bentonite, 14.3 ppg, 1.24 yield
PRODUCTION - 2035 sx Poz Class G + 2% bentonite
Weight: 14.3 PPG YIELD: 1.24 Cu Ft/sk

24. Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 9/28/2007

(This space for State use only)

API Number Assigned: 43-013-33803 APPROVAL:

RECEIVED
NOV 05 2007
DIV. OF OIL, GAS & MINING

Approved by the Utah Division of Oil, Gas and Mining

Date: 06-11-08

By: [signature]

*See Instructions On Reverse Side

NEWFIELD
ROCKY MOUNTAINS

43-013-33803

December 5, 2007

State of Utah, Division of Oil, Gas & Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Exception Location
~~Gilsonite~~ State #2A-32T-8-17
ML-22060
T8S R17E, Section 32: NW/4NE/4
1095'FNL 2294' FEL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to Rule 649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company ("NPC") hereby requests an exception location for the drilling of the captioned well. The proposed drillsite for this well is located 235' south and 111' west of the drilling window required by Rule R649-3-2, which requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The attached plat depicts the proposed location and illustrates the deviation from the drilling window. This location has been chosen so it will not interfere with the wellbore of the Gilsonite 2A-32-8-17, which has been plugged and abandoned.

Please note the drillsite and all surrounding acreage within a four hundred sixty (460) foot radius is completely within ML-22060, which is owned 100% by NPC.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at reveland@newfield.com . Your consideration of this matter is greatly appreciated.

Sincerely,
NEWFIELD PRODUCTION COMPANY

Roxann Eveland

Roxann Eveland
Land Associate

Attachment

RECEIVED
DEC 10 2007
DIV. OF OIL, GAS & MINING

FORM 3

STATE OF [redacted]H

DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: ML-22060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ]

1b. TYPE OF WELL

OIL [ ] GAS [X] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: Gilsonite

8. FARM OR LEASE NAME: Gilsonite

2. NAME OF OPERATOR: Newfield Production Company

9. WELL NO.: Gilsonite State #2A-32T-8-17

3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

10. FIELD AND POOL OR WILDCAT: Monument Butte

4. LOCATION OF WELL (FOOTAGE)

At Surface: NW/NE 1095' FNL 2294' FEL

At proposed Producing Zone

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE Sec. 32, T8S, R17E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 11.5 miles southeast of Myton, UT

12. County: Duchesne

13. STATE: UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 1095' f/lse line & 1095' f/unit line	598.67	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
Approximately 2210'	16,900'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5211' GL

22. APPROX. DATE WORK WILL START*: 4th Quarter 2007

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8"	61#	3,500'	See Detail Below
12 1/4	9 5/8"	47#	11,000	See Detail Below
8 1/2	4 1/2"	15.1#	TD	See Detail Below

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***The actual cement volumes will be calculated off of the open hole logs, plus 15% over capiler volume:**

SURFACE PIPE - Lead: 639 sx Premium Lite II Cement + 3% KCl + 2% bentonite,
Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk
Tail: 297 sx Class G with 3% CaCl2, 15.8 ppg, 1.17 yield

INTERMEDIATE - Lead: 288 sx Premium Lite II Cement + 3% KCl + 2% bentoninte
Weight: 11.0 PPG YIELD: 3.26 Cu Ft/sk
Tail: 50-50 Poz-Class G Cement + 2% bentonite, 14.3 ppg, 1.24 yield

PRODUCTION - 2035 sx Poz Class G + 2% bentonite
Weight: 14.3 PPG YIELD: 1.24 Cu Ft/sk

24.

Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 9/28/2007

(This space for State use only)

API Number Assigned: _____ APPROVAL: _____

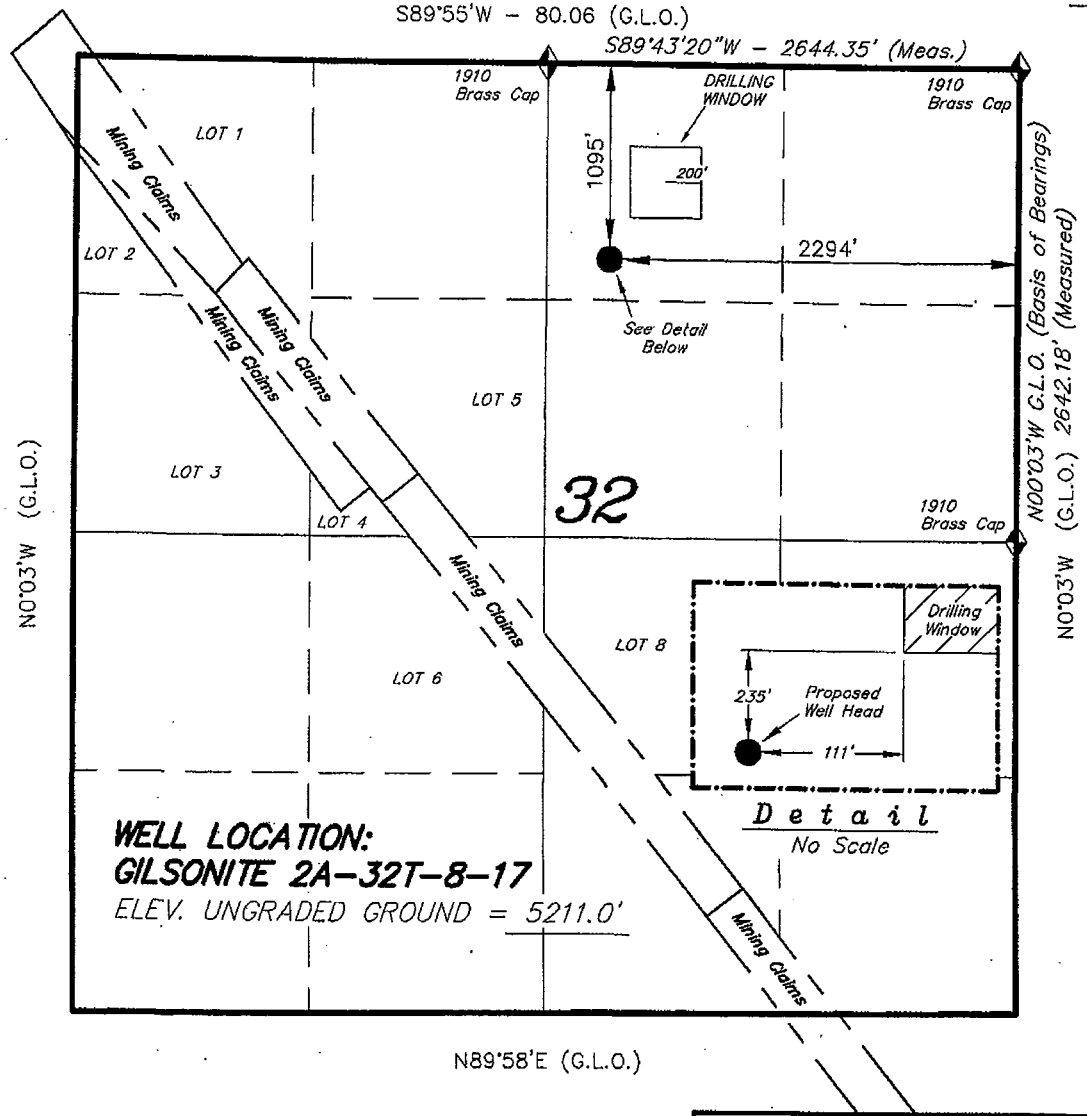
*See Instructions On Reverse Side

RECEIVED
DEC 10 2007
DIV. OF OIL, GAS & MINING

T8S, R17E, S.L.B.&M.

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, GILSONITE 2A-32T-8-17, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Detail
No Scale

WELL LOCATION:
GILSONITE 2A-32T-8-17
ELEV. UNGRADED GROUND = 5211.0'

1000' 500' 0' 1000'
BAR SCALE

N

Note:
1. Some lots were not labeled due to the illegibility of the G.L.O. Plat.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SE)

GILSONITE 2A-32T-8-17
(Surface Location) NAD 83
LATITUDE = 40° 04' 43.19"
LONGITUDE = 110° 01' 44.92"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 08-22-07	SURVEYED BY: C.M.
DATE DRAWN: 08-27-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

NEWFIELD

June 16, 2007

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Mason
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Gilsonite State 2A-32T-8-17 – 43-013-33803
Monument Butte State 4-36T-8-16

Dear Diana:

The proposed names for the above mentioned APD's need to be changed. Enclosed find the new APD packages to replace what had already been submitted. The new proposed names will be **State 2A-32T-8-17** and **State 4-36T-8-16**. The proposed water injection line that was originally permitted with the 4-36T-8-16 has already been permitted with another APD and so we removed it from the Topographic Map "C". Everything else in the APD's will remain the same.

Sincerely,

Mandie Crozier

Mandie Crozier
Regulatory Specialist

RECEIVED
JUN 18 2008
DIV. OF OIL, GAS & MINING

enclosures
CC: SITLA

FORM 3

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-22060

APPLICATION FOR PERMIT TO DRILL, DEEPEN

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OIL [ ] GAS [X] OTHER [ ] SINGLE ZONE [X] MULTIPLE ZONE [ ]

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8. FARM OR LEASE NAME: N/A

2. NAME OF OPERATOR: Newfield Production Company

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3. ADDRESS AND TELEPHONE NUMBER: Route #3 Box 3630, Myton, UT 84052 Phone: (435) 646-3721

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13. STATE: UT

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Approximately 5211'	16,900'	Rotary

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Name & Signature: Mandie Crozier Title: Regulatory Specialist Date: 9/28/2007

Mandie Crozier

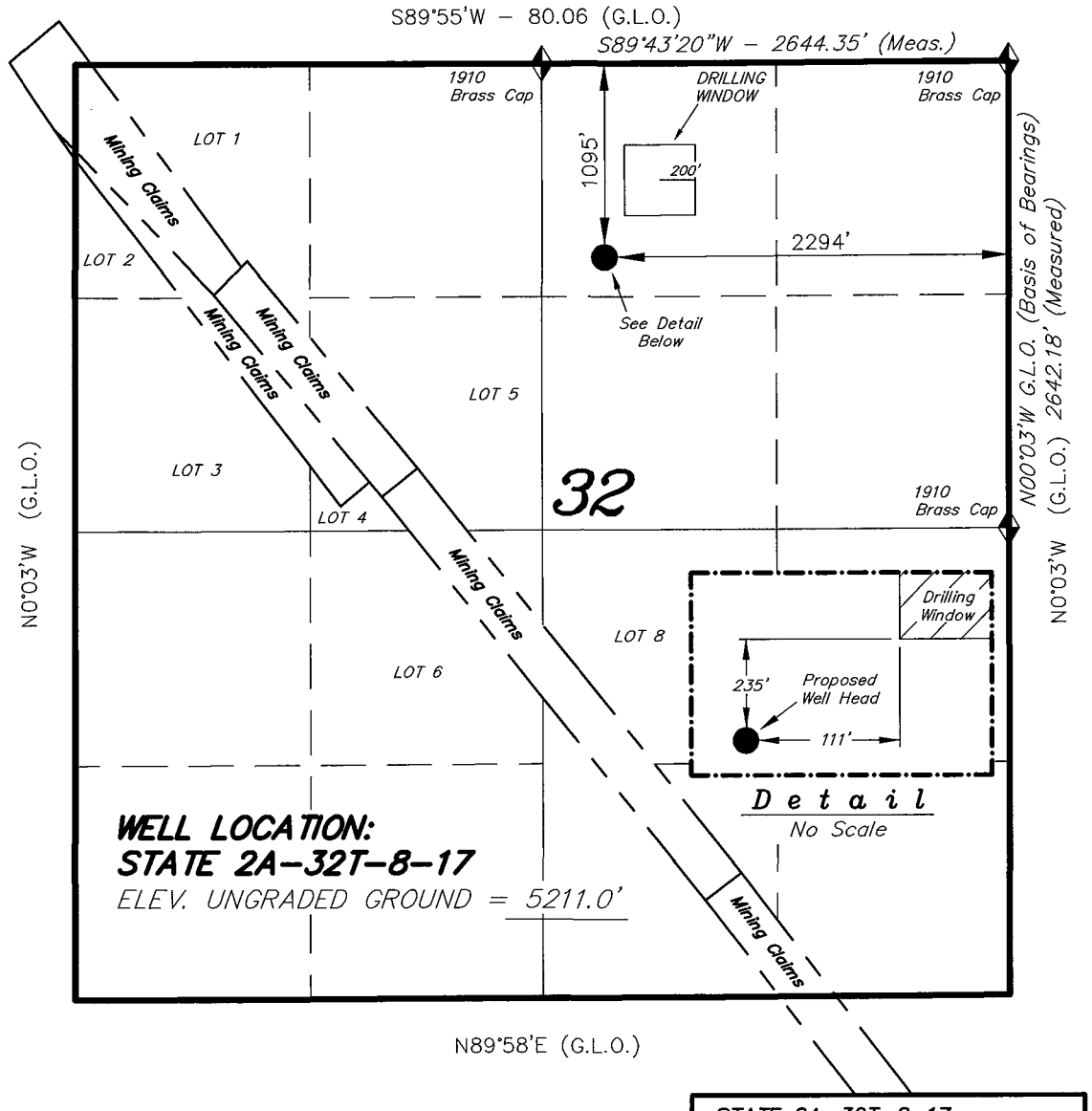
(This space for State use only)

API Number Assigned: 43-013-33803 APPROVAL:

RECEIVED
JUN 18 2008
DIV. OF OIL, GAS & MINING

***See Instructions On Reverse Side**

T8S, R17E, S.L.B.&M.



WELL LOCATION:
STATE 2A–32T–8–17
ELEV. UNGRADED GROUND = 5211.0'

Detail
No Scale

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7–1/2 min QUAD (MYTON SE)

STATE 2A–32T–8–17
(Surface Location) NAD 83
LATITUDE = 40° 04' 43.19"
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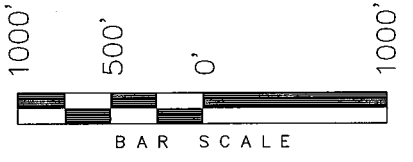
NEWFIELD PRODUCTION COMPANY

WELL LOCATION, STATE 2A–32T–8–17, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



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STACY W. STEWART
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NEWFIELD PRODUCTION COMPANY
STATE 2A-32T-8-17
NW/NE SECTION 32, T8S, R17E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2,950'
Green River	2,950'
Wasatch	6,253'
Mesaverde	11,301'
Blackhawk	14,037'
Mancos	14,851'
Proposed TD	16,900'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 2,950' – 6,253'
Wasatch/Mesaverde/Blackhawk/Mancos/Dakota Formation (Gas) 6,253' - TD

4. **PROPOSED CASING PROGRAM:**

Surface hole: 17-1/2"
Surface Casing: 13-3/8", 61#, J-55, STC set at 3500' (New)
Cement with:
Lead: 639 sx Premium Lite II with 3% KCl and 2% bentonite, 11.0 ppg, 3.26 yield
Tail: 297 sx Class G with 3% $CaCl_2$, 15.8 ppg, 1.17 yield

Intermediate hole: 12-1/4"
Intermediate Casing: 9-5/8", 47#, P-110, LTC set at 11,000' (New)
Cement with:
Lead: 288 sx Premium Lite II with 3% KCl and 2% bentonite, 11.0 ppg, 3.26 yield
Tail: 50/50 Poz Class G with 2% Bentonite, 14.3 ppg, 1.24 yield

Production hole: 8-1/2"
Production Casing: 4-1/2", 15.1#, P-110, BTC set at TD (New)
Cement with:
2035 sx Poz Class G with 2% Bentonite, 14.3 ppg. 1.24 yield

*Actual cement volumes will be 15% over caliper volume.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

Below surface casing, a 13-5/8" 5M double ram with a closing unit will be utilized. A 13-5/8" 5M annular preventer will also be utilized. Below intermediate casing an 11" 10M double ram with a

closing unit will be utilized. An 11" 5M annular preventer will also be utilized. All BOP equipment will be function tested daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

A fresh water system will be utilized to drill the well. When necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel and barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. No chromates will be utilized in the fluid system. The anticipated maximum mud weight is 13.0 ppg as necessary for gas control.

In the event that the surface hole is to be drilled with air, Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

MUD PROGRAM	**MUD TYPE**
Surface – 3500'	air/fresh water system
3500' – TD'	fresh water system

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a kelly cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top in the production casing. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 13,250 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seventy five (75) days from spud to rig release.

NEWFIELD PRODUCTION COMPANY
STATE 2A-32T-8-17
NW/NE SECTION 32, T8S, R17E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State 2A-32T-8-17 located in the NW¼ NE¼ Section 32, T8S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 – 1.7 miles ± to it's junction with an existing road to the southeast; proceed southeasterly – 8.2 miles ± to its junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road – 1,260' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 1,260' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the State 2A-32T-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 2A-32T-8-17 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name:	Dave Allred
Address:	Newfield Production Company
	Route 3, Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #2A-32T-8-17, NW/NE Section 32, T8S, R17E, LEASE #ML-22060, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

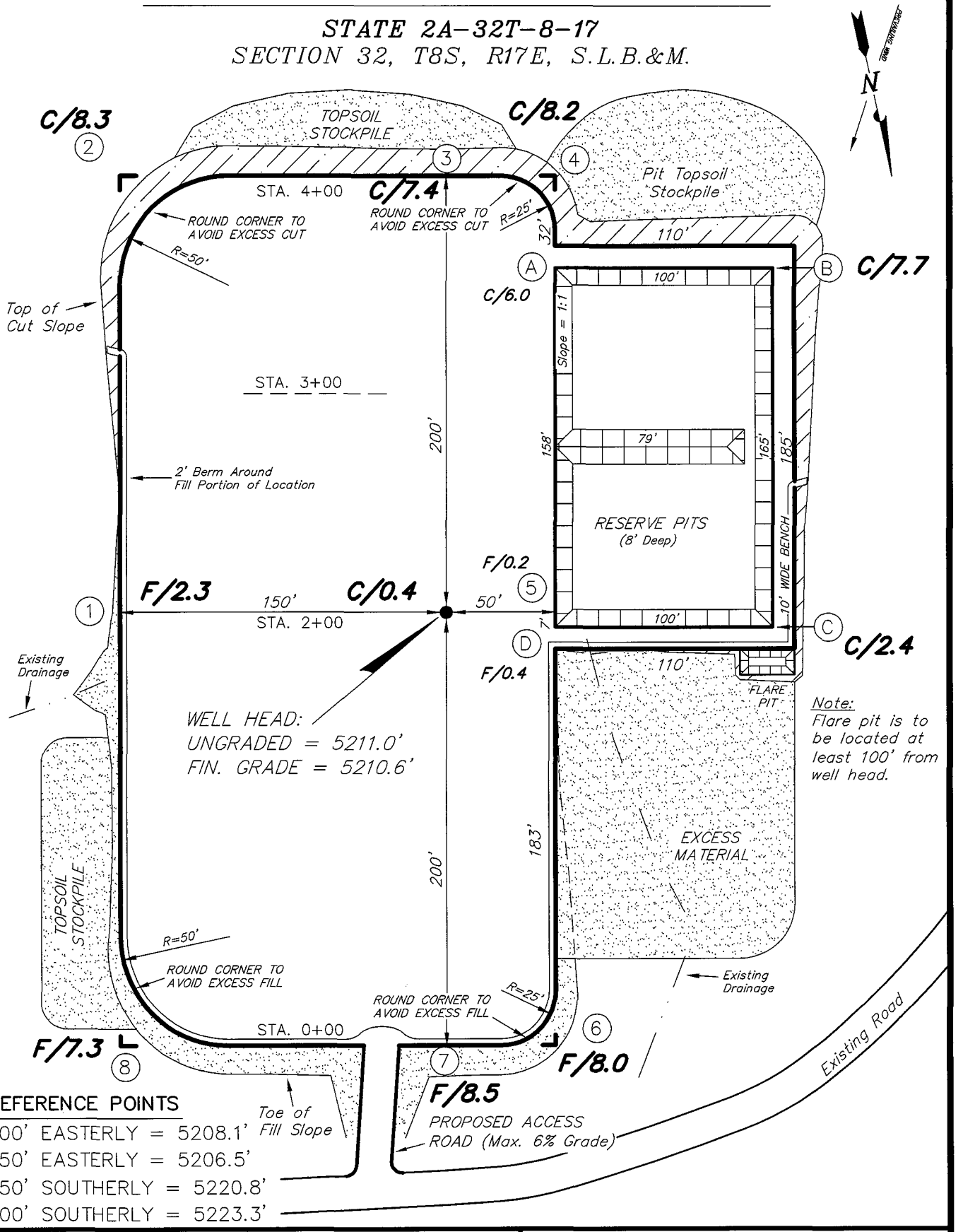
9/28/07
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

NEWFIELD PRODUCTION COMPANY

STATE 2A-32T-8-17

SECTION 32, T8S, R17E, S.L.B.&M.



REFERENCE POINTS

200' EASTERLY = 5208.1'
250' EASTERLY = 5206.5'
250' SOUTHERLY = 5220.8'
300' SOUTHERLY = 5223.3'

SURVEYED BY: C.M.	DATE SURVEYED:	08-22-07	
DRAWN BY: F.T.M.	DATE DRAWN:	08-27-07	
SCALE: 1" = 60'	REVISED:	F.T.M. 06-16-08	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

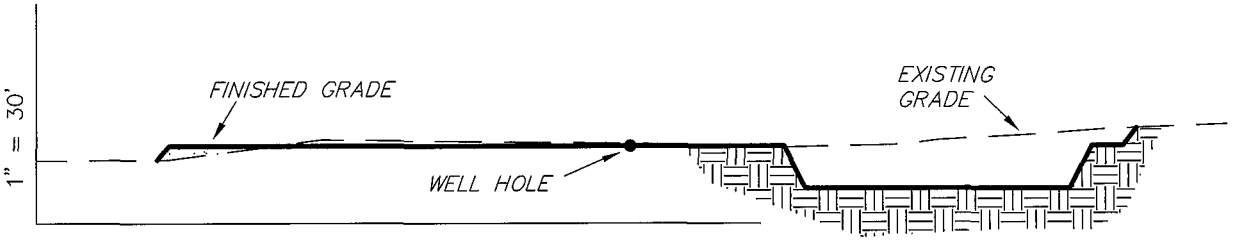
NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

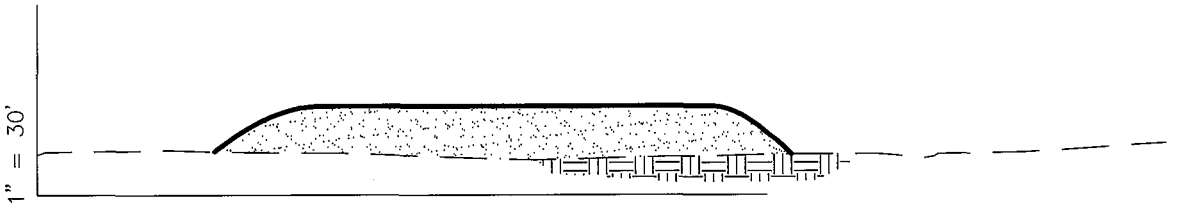
STATE 2A-32T-8-17

STA. 4+00

STA. 3+00



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,510	5,780	Topsoil is not included in Pad Cut	1,730
PIT	4,100	0		4,100
TOTALS	11,610	5,780	2,060	5,830

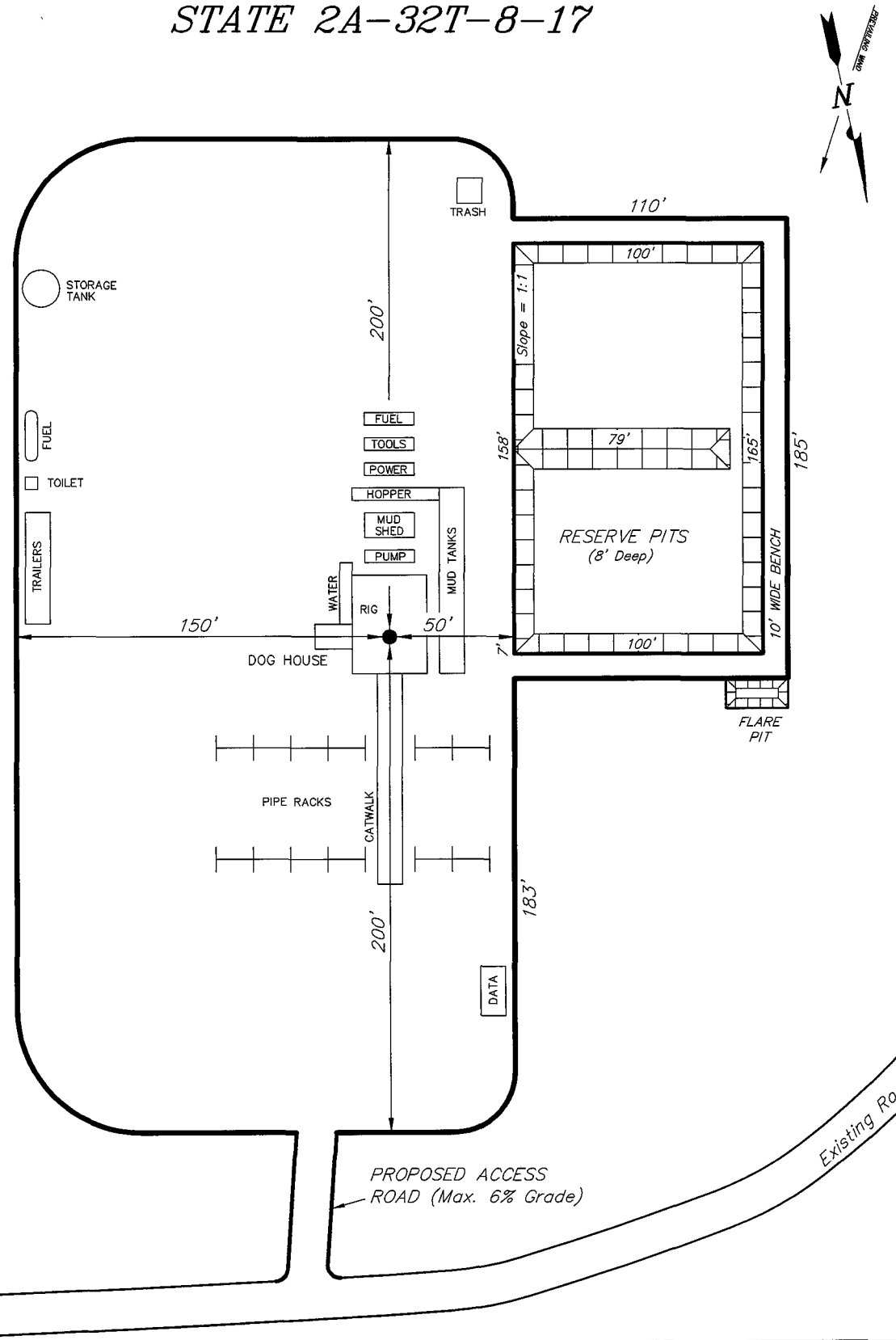
NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

SURVEYED BY: C.M.	DATE SURVEYED:	08-22-07	
DRAWN BY: F.T.M.	DATE DRAWN:	08-27-07	
SCALE: 1" = 60'	REVISED:	F.T.M. 06-16-08	

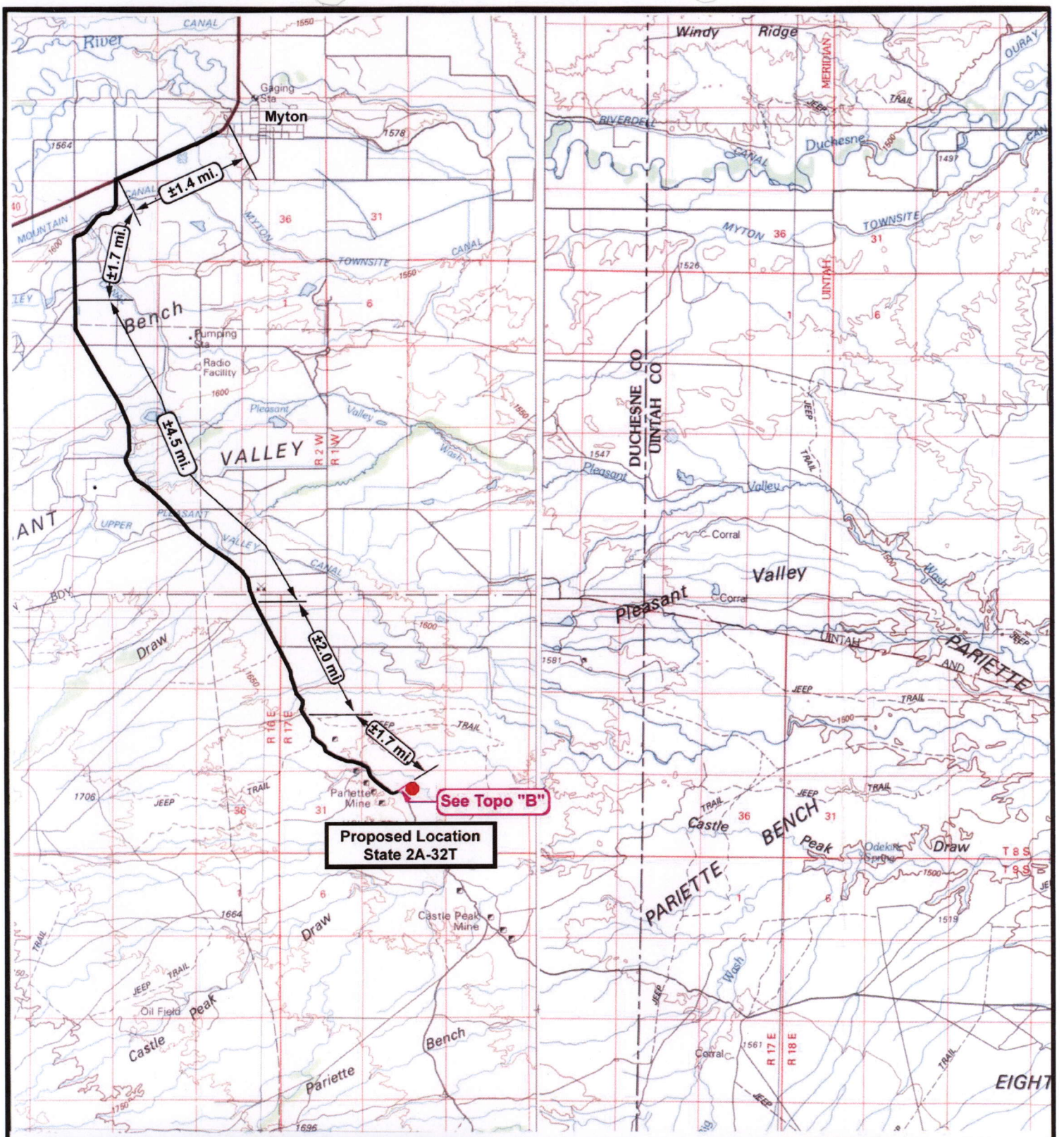
Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT
STATE 2A-32T-8-17



SURVEYED BY: C.M.	DATE SURVEYED:	08-22-07	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	08-27-07	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:	F.T.M. 06-16-08	



NEWFIELD
Exploration Company

State 2A-32T-8-17
Section 32, T8S, R17E, S.L.B.&M.

N

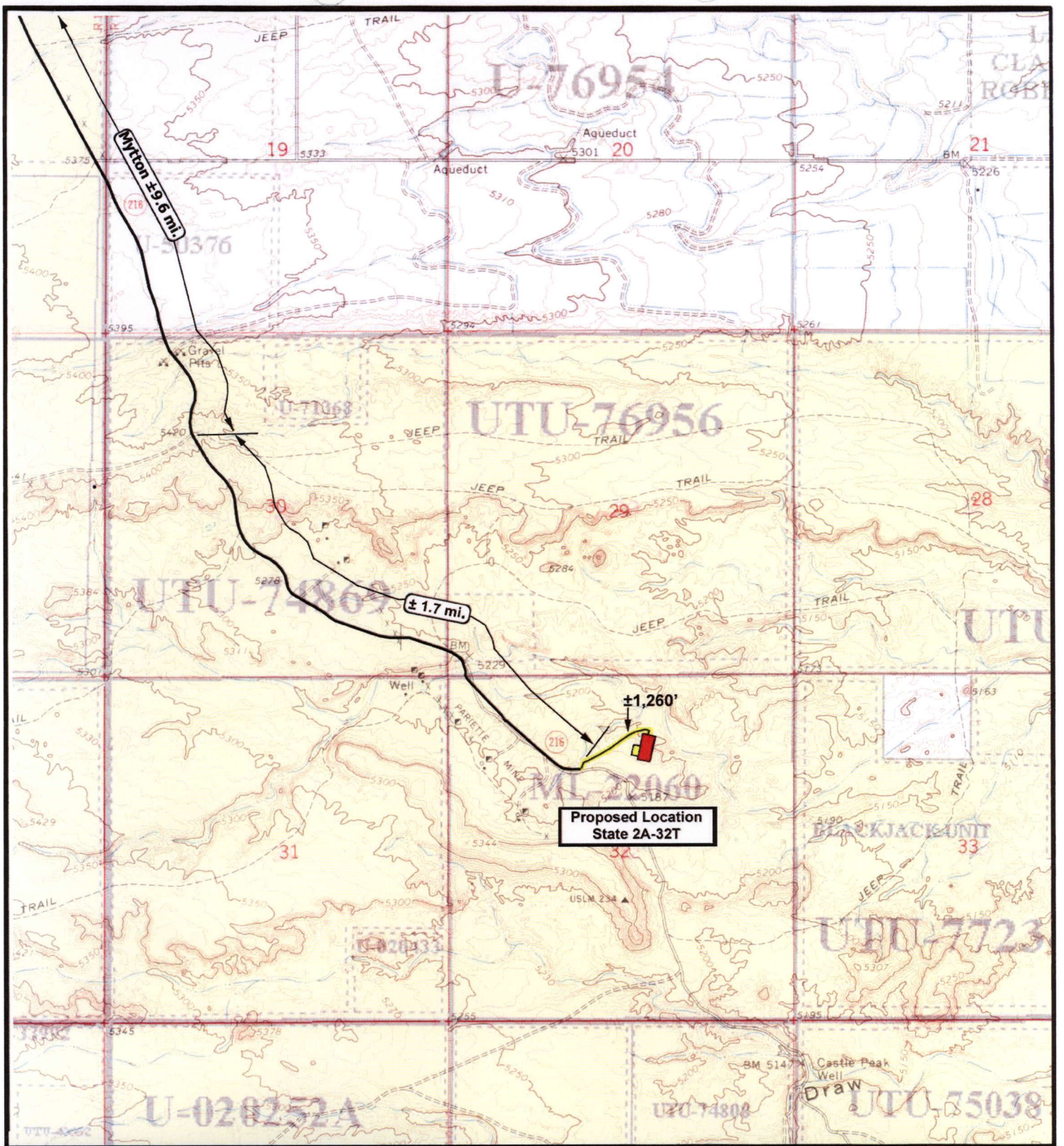
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: nc
DATE: 09-07-2007

Legend

Existing Road

TOPOGRAPHIC MAP
"A"



NEWFIELD
Exploration Company

State 2A-32T-8-17
SEC. 32, T8S, R17E, S.L.B.&M.

N

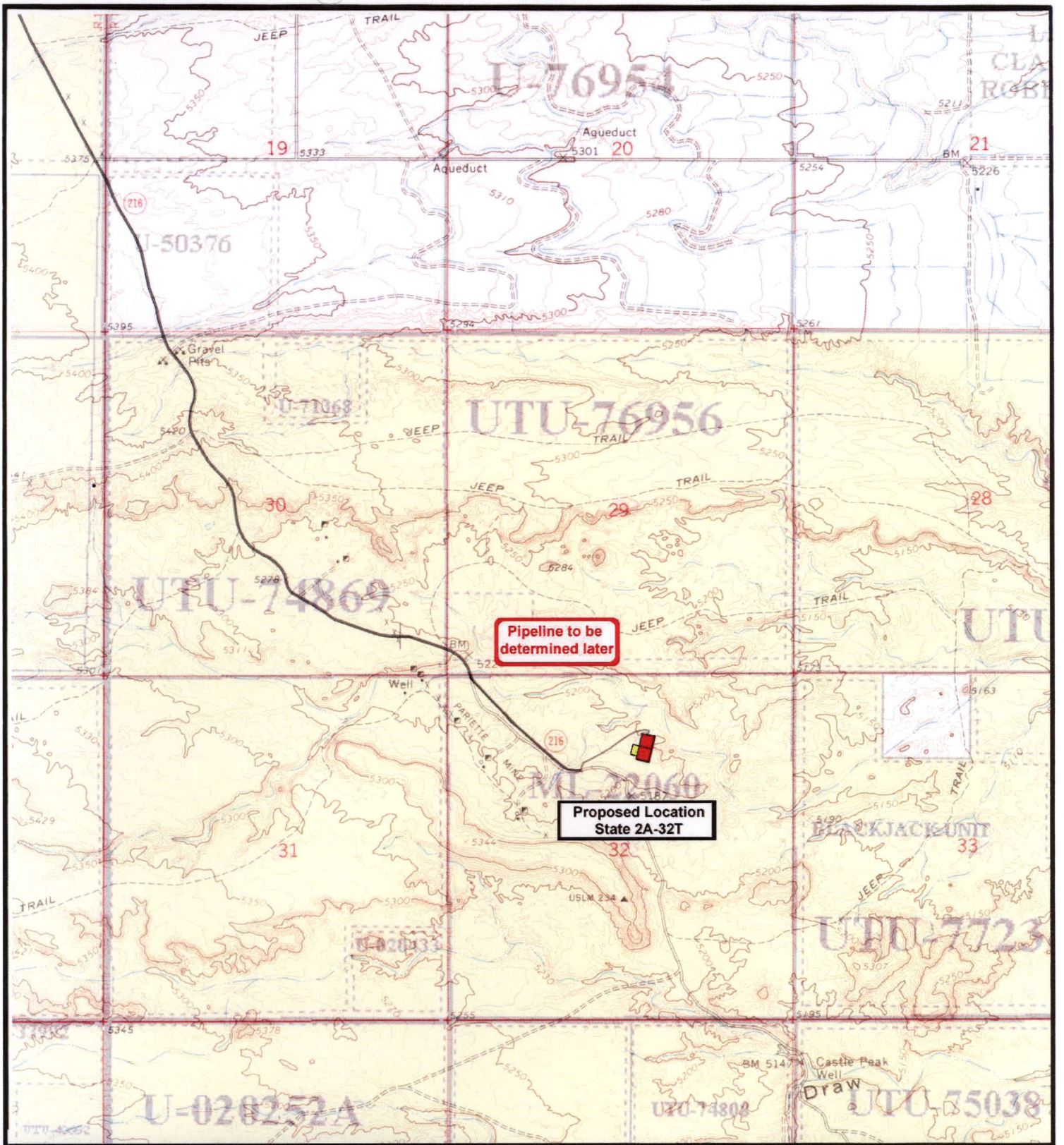
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 09-07-2007

Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"



NEWFIELD
Exploration Company

State 2A-32T-8-17
SEC. 32, T8S, R17E, S.L.B.&M.

N

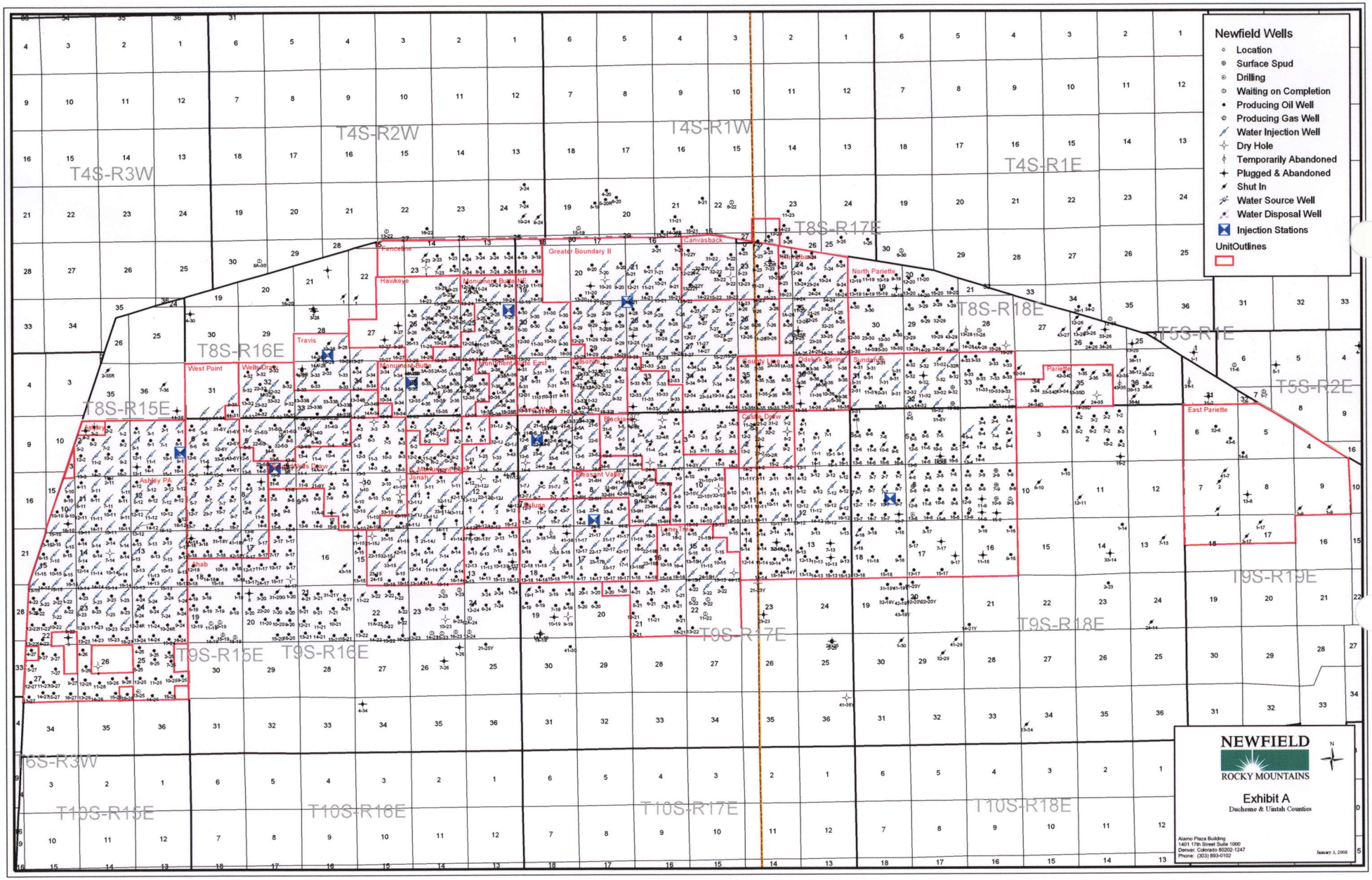
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 09-07-2007

Legend

Roads

TOPOGRAPHIC MAP
"C"


Newfield Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection Stations
UnitOutlines
T4S-R3W
T4S-R2W
T4S-R1W
T4S-R1E
T8S-R17E
T8S-R18E
T8S-R16E
T8S-R15E
T5S-R1E
T5S-R2E
T9S-R19E
T9S-R18E
T9S-R17E
T9S-R16E
T9S-R15E
T6S-R3W
T10S-R15E
T10S-R16E
T10S-R17E
T10S-R18E
Pariette
Ashley
Ashley PA
Monument Butte
Jonah
Pleasant Valley
Castle Draw
Eight Mile Flat
Lone Tree
Canvasback
Pennaluna
Greater Boundary II
Hawkeye
Travis
West Point
Wells Draw
Ashley Central
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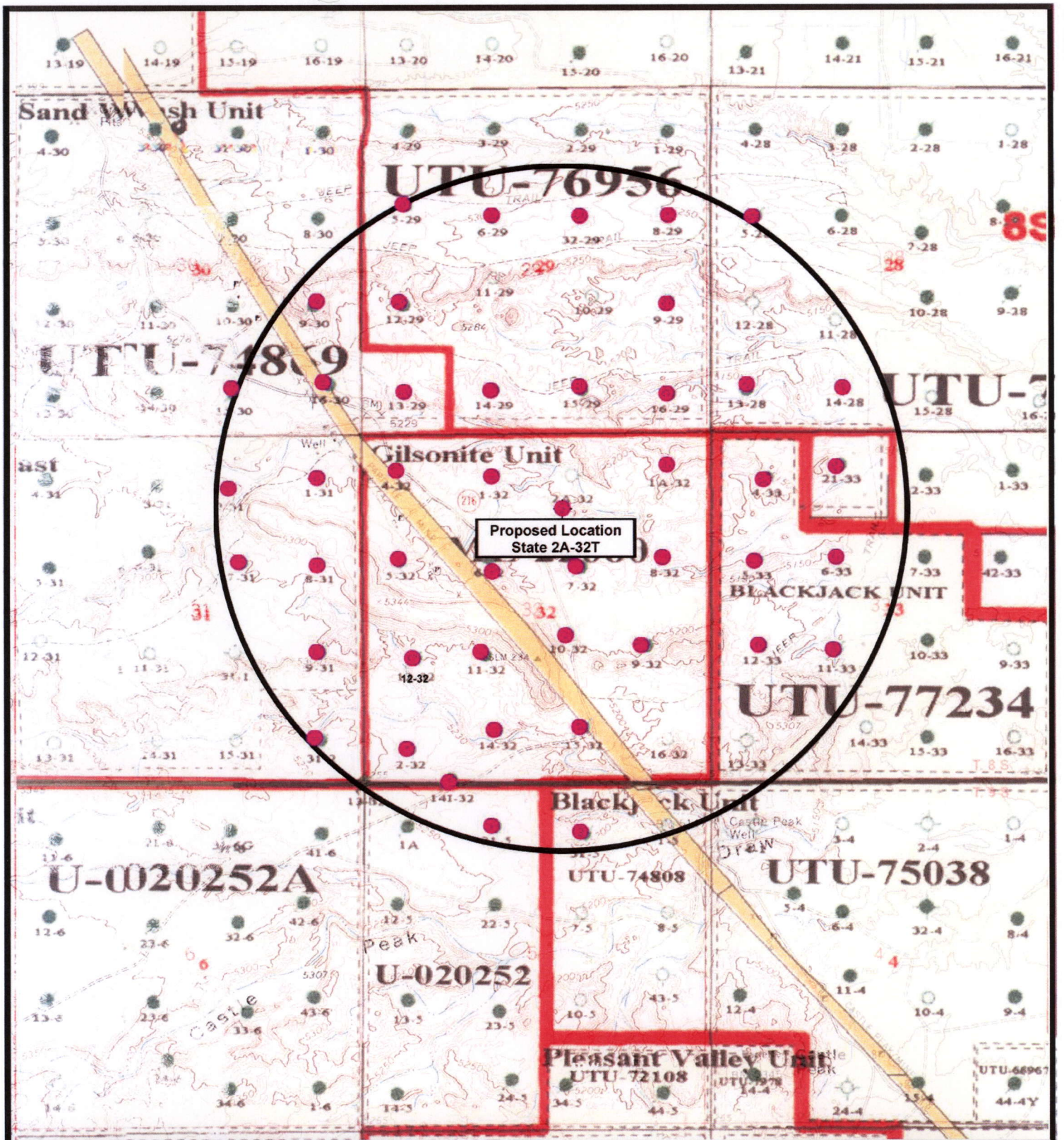
NEWFIELD
ROCKY MOUNTAINS
Exhibit A
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
January 3, 2008



NEWFIELD
Exploration Company

State 2A-32T-8-17
SEC. 32, T8S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 09-07-2007

Legend

- Location
- One-Mile Radius

Exhibit "B"

11" 5 M stack

Blowout Prevention Equipment Systems

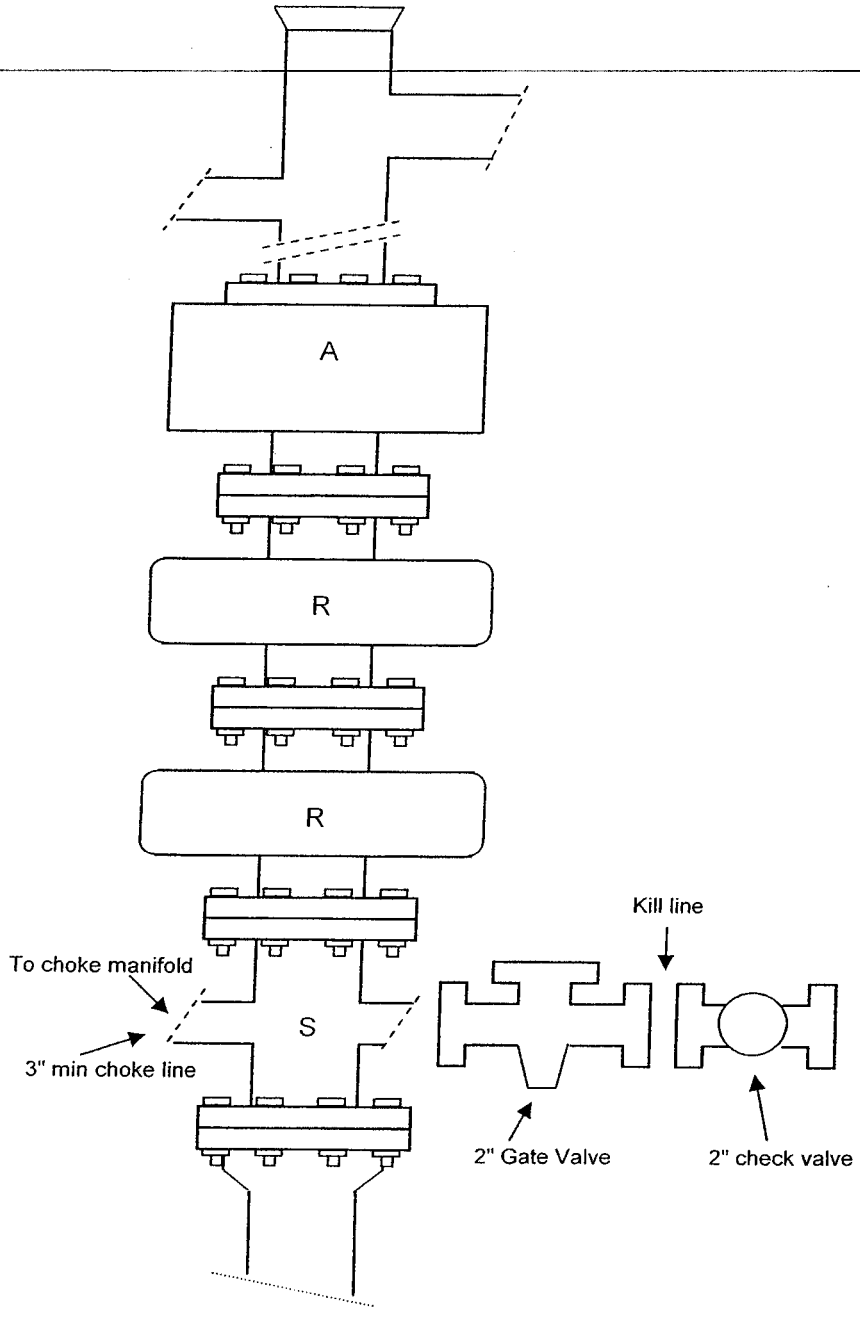


FIG. 2.C.5
ARRANGEMENT S*RRA
Double Ram Type Preventers

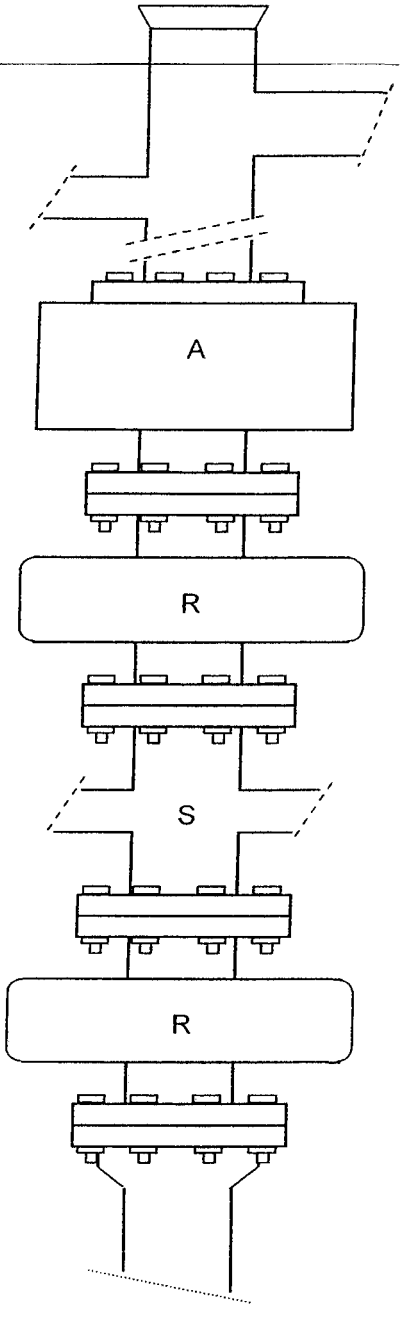


FIG. 2.C.6
ARRANGEMENT RS*RA

EXAMPLE BLOWOUT PREVENTER
ARRANGEMENTS FOR 3M AND 5M RATED
WORKING PRESSURE

* Drilling spool and its location in the stack arrangement is optional- refer to Par 2.C.6

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/05/2007

API NO. ASSIGNED: 43-013-33803

WELL NAME: State 2A-32T-8-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

PHONE NUMBER: 435-646-3721

CONTACT: MANDIE CROZIER

PROPOSED LOCATION:

NWNE 32 080S 170E

SURFACE: 1095 FNL 2294 FEL

BOTTOM: 1095 FNL 2294 FEL

COUNTY: DUCHESNE

LATITUDE: 40.07873 LONGITUDE: -110.0284

UTM SURF EASTINGS: 582845 NORTHINGS: 4436738

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering	DKD	12/18/07
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22060

PROPOSED FORMATION: MNCS

SURFACE OWNER: 3 - State

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. B001834)

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. MUNICIPAL)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: GILSONITE & MON PA

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

✓ R649-3-3. Exception

___ Drilling Unit

Board Cause No:

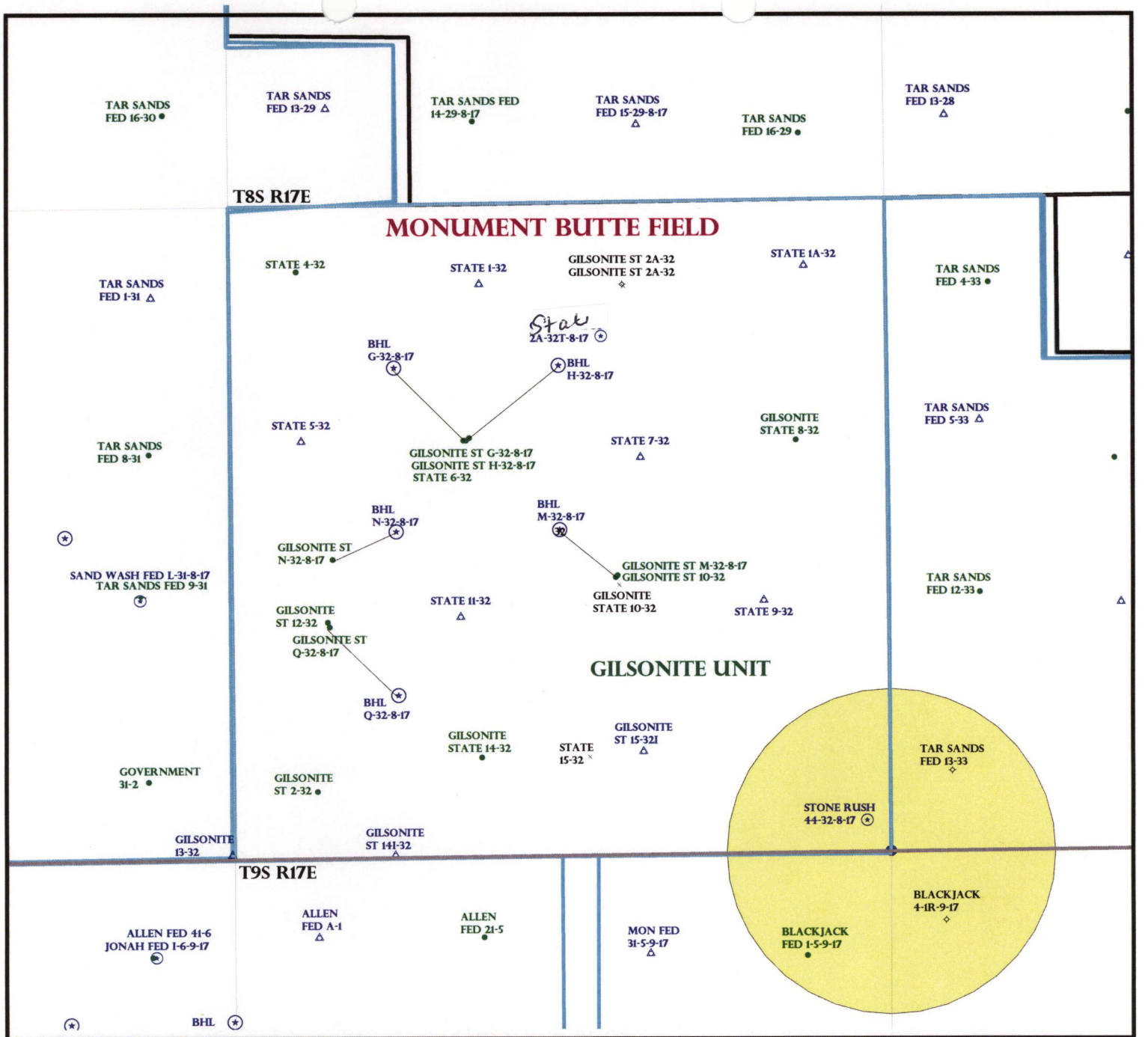
Eff Date:

Siting:

___ R649-3-11. Directional Drill

COMMENTS: Need Presite (11-14-07)

STIPULATIONS: 1- Spacing Slip
2- STATEMENT OF BASIS
3- Surface Csg Cmt Stip



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 32 T.8S R. 17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-3 / EXCEPTION LOCATION

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 07-NOVEMBER-2007

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
588	43-013-33803-00-00		GW	S	No

Operator NEWFIELD PRODUCTION COMPANY **Surface Owner-APD**
Well Name GILSONITE ST 2A-32T-8-17 **Unit** GILSONITE
Field MONUMENT BUTTE **Type of Work**
Location NWNE 32 8S 17E S 1095 FNL 2294 FEL GPS Coord (UTM) 582845E 4436738N

Geologic Statement of Basis

Newfield proposes to set 3,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 300'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32. This well is approximately one mile from the proposed location and it's depth is not listed. The well is owned by the BLM and it's listed use is for stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water and nearby wells.

Brad Hill — 11/20/2007
APD Evaluator — **Date / Time**

Surface Statement of Basis

The proposed location is in the sub-drainages of the Pariette Draw drainage of Duchesne County. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 13 miles downstream from the location. Broad flats characterize the area with those to the north frequently used for agriculture. Flats are intersected by drainages with gentle to moderate side-slopes. Slopes become steeper as Pariette Draw approaches the Green River. Seeps are common in the draws. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County roads a distance of 10.3 miles. New construction of 1,260 feet will be required.

The Gilsonite State #2A-32T-8-17 proposed gas well location is on a gentle northeast sloping flat that ends prior to a drainage located about 200 yards to the north. This drainage is rimmed on the north side with hills with exposed sandstone bedrock. One small drainage intersects the southeast corner of the location but begins near the edge of the location. No diversions are needed. The well is a deep gas well with a proposed depth of 16, 900 feet. The location is south of a previous location which has been plugged and reclaimed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well.

Both the surface and minerals are owned by SITLA.

Ben Williams representing the Utah Division of Wildlife resources stated there are no significant wildlife concerns in the area. Mr. Williams gave Mr. Allred of Newfield Production Company and Mr. Davis a copy of this evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett — 11/14/2007
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name GILSONITE ST 2A-32T-8-17
API Number 43-013-33803-0 **APD No** 588 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 NWNE **Sec** 32 **Tw** 8S **Rng** 17E 1095 FNL 2294 FEL
GPS Coord (UTM) 582841 4436740 **Surface Owner**

Participants

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Stewart (Tri-state Land Surveying), Jim Davis and Kurt Higgins (SITLA), Ben Williams and Daniel Emmett (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The proposed location is in the sub-drainages of the Pariette Draw drainage of Duchesne County. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Ut and about 13 miles downstream from the location. Broad flats characterize the area with those to the north frequently used for agriculture. Flats are intersected by drainages with gentle to moderate side-slopes. Slopes become steeper as Pariette Draw approaches the Green River. Seeps are common in the draws. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County roads a distance of 10.3 miles. New construction of 1,260 feet will be required.

The Gilsonite State #2A-32T-8-17 proposed gas well location is on a gentle northeast sloping flat that ends prior to a drainage located about 200 yards to the north. This drainage is rimmed on the north side with hills with exposed sandstone bedrock. One small drainage intersects the southeast corner of the location but begins near the edge of the location. No diversions are needed. The well is a deep gas well with a proposed depth of 16, 900 feet. The location is south of a previous location which has been plugged and reclaimed. The proposed site appears to be a suitable location for constructing a pad and drilling and operating a well.

Mostly barren. A few plants of Gardiner saltbrush, halogeton and shadscale exist.

Surface Use Plan

Current Surface Use
Grazing
Recreational
Wildlfe Habitat

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.24	**Width** 310	**Length** 400	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Deseret shrub type consisting of mat saltbrush, a few greasewood, broom snakeweed, prickly pear.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Shallow to moderately deep sandy clay loam with with small black rock erosion pavement.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	30 1 **Sensitivity Level**

Characteristics / Requirements

A 100' x 165' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A pit liner is required. Newfield commonly uses a 16 mil liner.

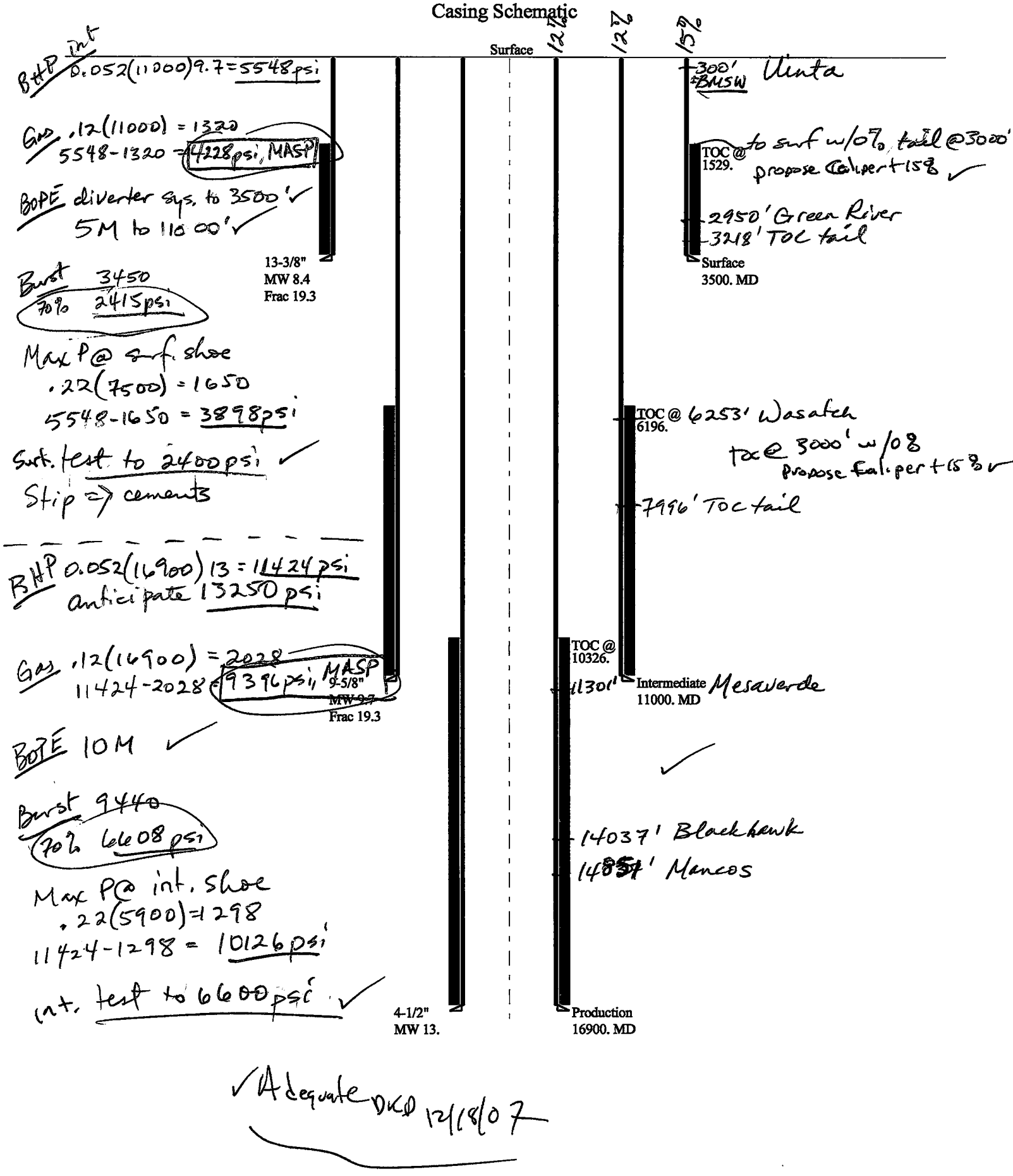
Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	11/14/2007
Evaluator	**Date / Time**

2007-11 Newfield Gilsonite ST 2A-32T-8-17

Casing Schematic



✓Adequate DKD 12/18/07

Well name:	**2007-11 Newfield Gilsonite ST 16-2A-32T-8-17**
Operator:	**Newfield Production Company**
String type:	Surface
Project ID:	43-047-33803
Location:	Duchesne County

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,080 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,500 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 3,063 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 124 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 290 ft

Cement top: 1,529 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 11,000 ft
Next mud weight: 9.700 ppg
Next setting BHP: 5,543 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,500 ft
Injection pressure: 3,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	3500	13.375	68.00	J-55	ST&C	3500	3500	12.29	2942.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1527	1950	1.277	3500	3450	0.99	208	675	3.24 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: December 10,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-11 Newfield Gilsonite ST 16-2A-32T-8-17**
Operator:	**Newfield Production Company**
String type:	Intermediate
Project ID:	43-047-33803
Location:	Duchesne County

Design parameters:

Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 7,695 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 10,115 psi

Annular backup: 2.33 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 9,350 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 229 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 7,297 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 16,900 ft
Next mud weight: 13.000 ppg
Next setting BHP: 11,413 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 11,000 ft
Injection pressure: 11,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	11000	9.625	47.00	P-110	LT&C	11000	11000	8.625	4521.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5714	7100	1.243	8784	9440	1.07	439	1213	2.76 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: December 18,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 11000 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2007-11 Newfield Gilsonite ST 2A-32T-8-17**
Operator:	**Newfield Production Company**
String type:	Production
Project ID:	43-013-33803
Location:	Duchesne County

Design parameters:

Collapse

Mud weight: 13.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 7,695 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 11,413 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 13,569 ft

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 312 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 1,500 ft

Cement top: 10,326 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	16900	4.5	15.10	P-110	Buttress	16900	16900	3.701	1349.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	11413	14350	1.257	11413	13460	1.18	205	485	2.37 B

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals

Phone: 801-538-5357

FAX: 801-359-3940

Date: December 5,2007

Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 16900 ft, a mud weight of 13 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 11, 2008

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: State 2A-32T-8-17 Well, 1095' FNL, 2294' FEL, NW NE, Sec. 32, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33803.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
SITLA
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

Operator: Newfield Production Company

Well Name & Number State 2A-32T-8-17

API Number: 43-013-33803

Lease: ML-22060

Location: NW NE **Sec.** 32 **T.** 8 South **R.** 17 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Surface casing shall be cemented to the surface.

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

7. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

API Well No: 43013338030000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GILSONITE

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 2A-32T-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2294 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/26/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production Company requsts to extend the APD for this well for one more year.

Approved by the Utah Division of Oil, Gas and Mining

Date: May 27, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 5/26/2009

RECEIVED May 26, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources
Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013338030000

API: 43013338030000
Well Name: STATE 2A-32T-8-17
Location: 1095 FNL 2294 FEL QTR NWNE SEC 32 TWNP 080S RNG 170E MER S
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 6/11/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** (•) **Yes** ( ) **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ( ) **Yes** (•) **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ( ) **Yes** (•) **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ( ) **Yes** (•) **No**
- **Has the approved source of water for drilling changed?** ( ) **Yes** (•) **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ( ) **Yes** (•) **No**
- **Is bonding still in place, which covers this proposed well?** (•) **Yes** ( ) **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 5/26/2009
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: May 27, 2009
By: Dustin Doucet

RECEIVED May 26, 2009

API Well No: 43013338030000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GILSONITE

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: STATE 2A-32T-8-17

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2294 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 5/26/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production Company requsts to extend the APD for this well for one more year.

Approved by the Utah Division of Oil, Gas and Mining

Date: May 27, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 5/26/2009

RECEIVED May 26, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources
Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013338030000

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Well Name: STATE 2A-32T-8-17
Location: 1095 FNL 2294 FEL QTR NWNE SEC 32 TWNP 080S RNG 170E MER S
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Date Original Permit Issued: 6/11/2008

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- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ( ) **Yes** (•) **No**
- **Is bonding still in place, which covers this proposed well?** (•) **Yes** ( ) **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 5/26/2009
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: May 27, 2009
By: Dustin Doucet

RECEIVED May 26, 2009

API Well No: 43013338030000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 2A-32T-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013338030000

3. ADDRESS OF OPERATOR:
Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1095 FNL 2294 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/1/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the permit to drill this well for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: June 03, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE		**DATE**
N/A		6/1/2010

RECEIVED June 01, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013338030000

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- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 6/1/2010
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

Date: June 03, 2010
By: Dustin Doucet

RECEIVED June 01, 2010

API Well No: 43013338030000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 2A-32T-8-17

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013338030000

3. ADDRESS OF OPERATOR:
Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1095 FNL 2294 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
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☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: APD Change

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield requests to amend the above mentioned APD. This well will now be drilled as a Horizontal Well. The new APD package is attached. The name for this well will now be the Greater Monument Butte 2A-32T-8-17H. We also request that "Tight Hole Status" be placed on this well at this time.

Approved by the Utah Division of Oil, Gas and Mining

Date: 03/01/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE		**DATE**
N/A		2/1/2011

RECEIVED February 01, 2011

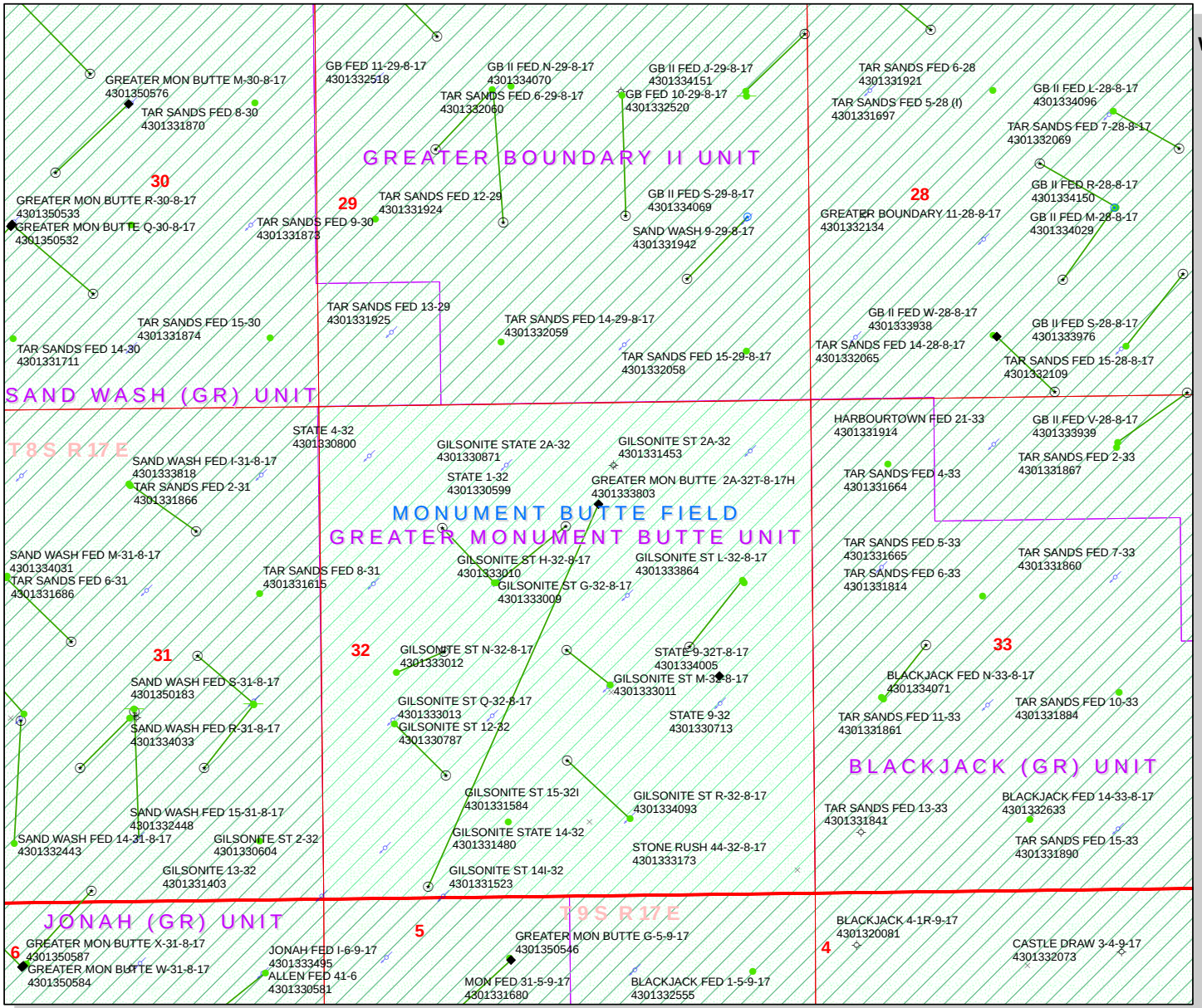
The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013338030000

In accordance with Utah Admin. R.649-3-21, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.



API Number: 4301333803

Well Name: GREATER MON BUTTE 2A-32T-8-17H

Township 08.0 S Range 17.0 E Section 32

Meridian: SLBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units

STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED
- Sections
- Township

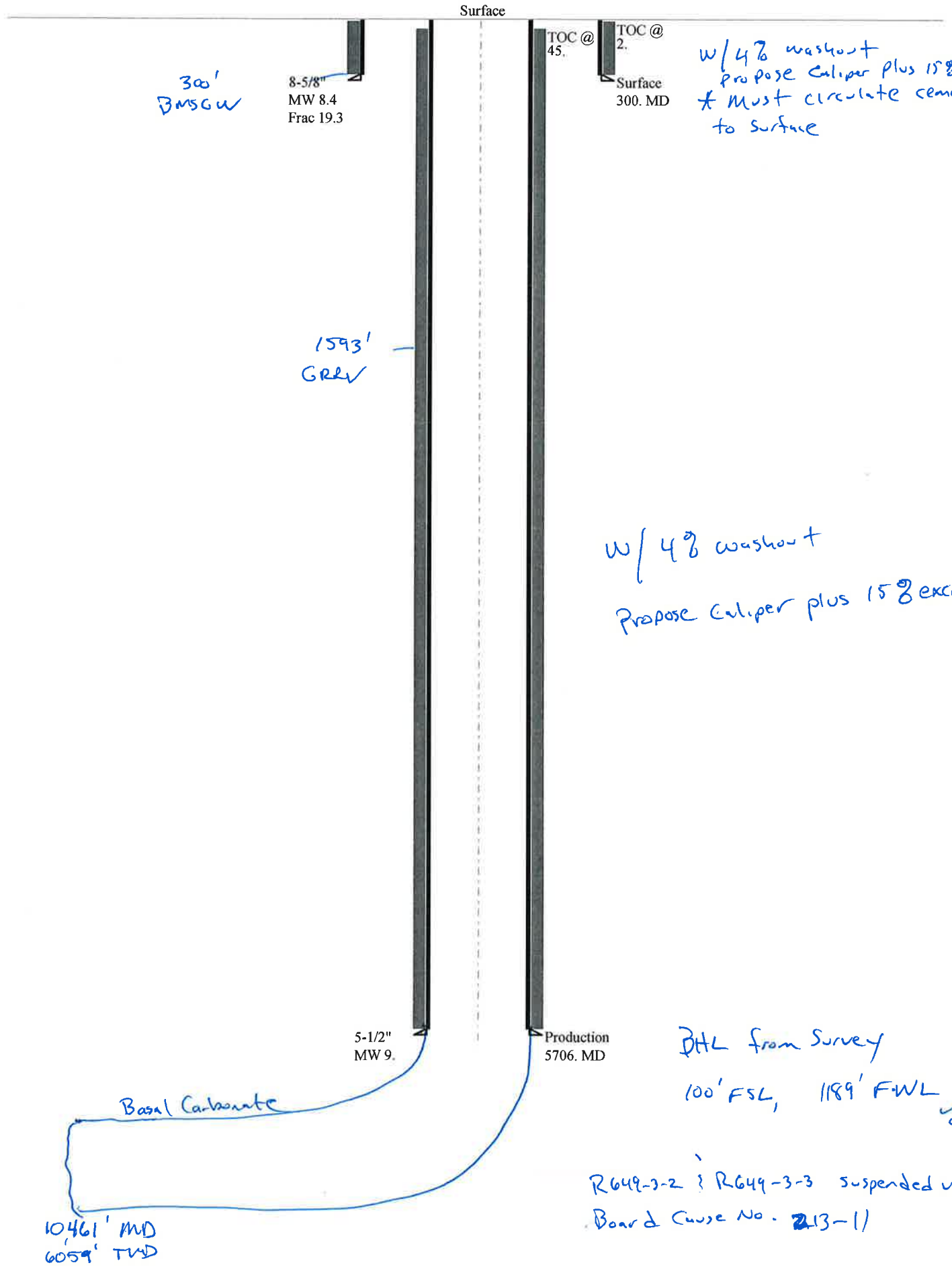
Wells Query

Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1:13,324

43013338030000 Greater Mon Butte 2A-32T-8-17H

Casing Schematic



Well name:	**43013338030000 Greater Mon Butte 2A-32T-8-17H**
Operator:	**Newfield Production Company**
String type:	Surface
Project ID:	43-013-33803-0000
Location:	Duchesne County

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 396 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 432 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 262 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 69 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft

Cement top: 2 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 6,059 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,644 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 450 ft
Injection pressure: 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	107.3

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	131	1370	10.465	432	2950	6.83	7	244	33.89 J

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Mining
Phone: 810-538-5281
Date: February 28,2011
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013338030000 Greater Mon Butte 2A-32T-8-17H**
Operator:	**Newfield Production Company**
String type:	Production
Project ID:	43-013-33803-0000
Location:	Duchesne County

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,500 psi → 2nd proposed ✓ OK.
Internal gradient: 0.220 psi/ft
Calculated BHP 2,833 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 5,232 ft

Environment:
H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 150 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: 4,800 ft

Directional well information:
Kick-off point 0 ft
Departure at shoe: 4480 ft
Maximum dogleg: 12 °/100ft
Inclination at shoe: 91.79 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10461	5.5	17.00	N-80	LT&C	6059	10461	4.767	1365.4

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2833	6290	2.220 ✓	2860	7740	2.71 ✓	89	348	3.91 J ✓

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Mining
Phone: 810-538-5281
Date: February 28,2011
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 6059 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

BOPE REVIEW — Newfield GreaterMonButte 2A-32T-8-17H — API 43-013-33803-0000

INPUT

Well Name	Newfield GreaterMonButte 2A-32T-8-17H	API 43-013-33803-0000		
	String 1	String 2		
Casing Size (")	8 5/8	5 1/2		
Setting Depth (TVD)	300	6059		
Previous Shoe Setting Depth (TVD)	40	300		
Max Mud Weight (ppg)	8.4	9		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	2636	8.4 ppg		

Calculations	String 1	8 5/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	131		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	95	YES	Air drill
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	65	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	74	NO	OK
Required Casing/BOPE Test Pressure		300	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		40	psi	*Assumes 1psi/ft frac gradient

Calculations	String 2	5 1/2 "		
Max BHP [psi]	.052*Setting Depth*MW =	2836		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2109	NO	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1503	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	1569	NO	Known Area
Required Casing/BOPE Test Pressure		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe =		300	psi	*Assumes 1psi/ft frac gradient

43-013-33803

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-22060	6. SURFACE: State
1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐	7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐	8. UNIT or CA AGREEMENT NAME: Greater Monument Butte
2. NAME OF OPERATOR: Newfield Production Company	9. WELL NAME and NUMBER: Grtr. Mon. Butte 2A-32T-8-17H
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052 / PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NW/NE 1095' FNL 2288' FEL Sec. 32 T8S R17E AT PROPOSED PRODUCING ZONE: SW/SW 130' FSL 1125' FWL Sec. 32 T8S R17E	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE 32 8S 17E
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 11.5 miles southeast of Myton, Utah	12. COUNTY: Duchesne / 13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 130' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 598.67 acres / 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 320 acres
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1271'	19. PROPOSED DEPTH: 6,059 / 20. BOND DESCRIPTION: #B001834
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5211' GL	22. APPROXIMATE DATE WORK WILL START: 2nd Qrtr. 2011 / 23. ESTIMATED DURATION: (10) days from SPUD to rig release

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
			See Attached Drilling
			Program

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- ☑ COMPLETE DRILLING PLAN
- ☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE Mandie Crozier DATE 2/1/11

(This space for State use only)

API NUMBER ASSIGNED: _____ APPROVAL:

(11/2001) (See Instructions on Reverse Side)

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NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 2A-32T-8-17H
SHL: NW/NE SECTION 32, T8S, R17E
BHL: SW/SW SECTION 32, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

This well is designed as a horizontal in the Basal Carbonate formation, at the base of the Green River formation. The well will be drilled vertically to a kick off point of 5,706'. Directional tools will then be used to build to 91.79° inclination and the well will be landed in the Basal Carbonate formation. The lateral will be drilled to the proposed bottomhole location, and 5-1/2" production casing will be run to TD. An open hole packer system and sliding sleeves will be used to isolate separate frac stages in the lateral. The casing will be cemented from the top of the curve to surface with a port collar.

1. GEOLOGIC SURFACE FORMATION:

Uinta formation

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Green River	1,593'
Target (Basal Carbonate)	6,059'
TD	6,059' TVD / 10,461' MD

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation (Oil) 4,190' – 6,059' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 300'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by State at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the State Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH

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Water Classification (State of Utah)
Dissolved Iron (Fe) (ug/l)
Dissolved Magnesium (Mg) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)
Dissolved Calcium (Ca) (mg/l)
Dissolved Sodium (Na) (mg/l)
Dissolved Carbonate (CO_3) (mg/l)
Dissolved Chloride (Cl) (mg/l)
Dissolved Total Solids (TDS) (mg/l)

4. *PROPOSED CASING PROGRAM*

a. Casing Design

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Design Factors		
	Top	Bottom							Burst	Col	Tens
Surface 8-5/8"	0'	300'	24.0	J-55	STC	8.33	8.33	12.0	17.07	13.71	33.89
Production 5-1/2"	0'	10,461'	17.0	N-80	LTC	8.3	8.5	--	3.83	3.03	2.27

Assumptions:

1) Surface casing MASP = (frac gradient + 1.0 ppg) – gas gradient
2) Production casing MASP (production mode) = reservoir pressure – gas gradient
3) All collapse calculations assume fully evacuated casing
4) Surface tension calculations assume air weight of casing
5) Production tension calculations assumer air weight in vertical portion of hole, plus 50,000 lbs overpull

All casing shall be new.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cement Design

Job	Hole Size	Fill	Slurry Description	ft^3 / Sacks	OH Excess	Weight (ppg)	Yield (ft3/sk)
Surface	12-1/4"	300'	Class G w/ 2% $CaCl_2$, 0.25 lbs/sk Cello Flake	142 / 122	15%	15.8	1.17
Production Lead	7-7/8"	4,190'	Premium Lite II w/ 3% KCl, 10% bentonite	835 / 256	15%	15.8	3.26
Production Tail	7-7/8"	1,516'	50/50 Poz/Class G w/ 3% KCl, 2% bentonite	302 / 244	15%	14.3	1.24

Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Cement for the production casing will be pumped through a port cementing collar located at the top of the curve. The lateral will be left uncemented. The lateral will be isolated with open hole packers.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

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The State of Utah DOGM shall be notified, with sufficient lead time, in order to have a State representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Sundry shall be filed with the State of Utah DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. *MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:*

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system.

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and a rotating head per **Exhibit C**. This system will be in accordance to the specifications listed in the Standard Operating Procedures for the Greater Monument Butte Green River Development Program.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

6. *TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:*

From surface to 300', an air system will be used. From 300' to TD, a fresh water or brine water system will be utilized. Anticipated maximum mud weight is 9.0 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

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No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

7. *AUXILIARY SAFETY EQUIPMENT TO BE USED:*

8. *TESTING, LOGGING AND CORING PROGRAMS:*

a. Logging Program:
(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: Top of the curve – 4,190'
CBL: A cement bond log will be run from KOP to the cement top of the production casing. A field copy will be submitted to the Vernal BLM Office.

b. Cores: As deemed necessary.

c. Drill Stem Tests: No DSTs are planned in the Green River.

9. *ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:*

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total true vertical depth in feet multiplied by a 0.433 psi/foot gradient.

10. *ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:*

a. Drilling Activity

Anticipated Commencement Date:	Upon approval of the site specific APD.
Drilling Days:	Approximately 18 days.
Completion Days:	Approximately 12 - 20 days.

b. Notification of Operations

The State of Utah DOGM will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

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Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or State of Utah DOGM policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the State of Utah DOGM before resumption of operations.

Daily drilling and completion reports shall be submitted to the State of Utah DOGM on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing.. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the State of Utah DOGM.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

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A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

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2-M SYSTEM

Blowout Prevention Equipment Systems

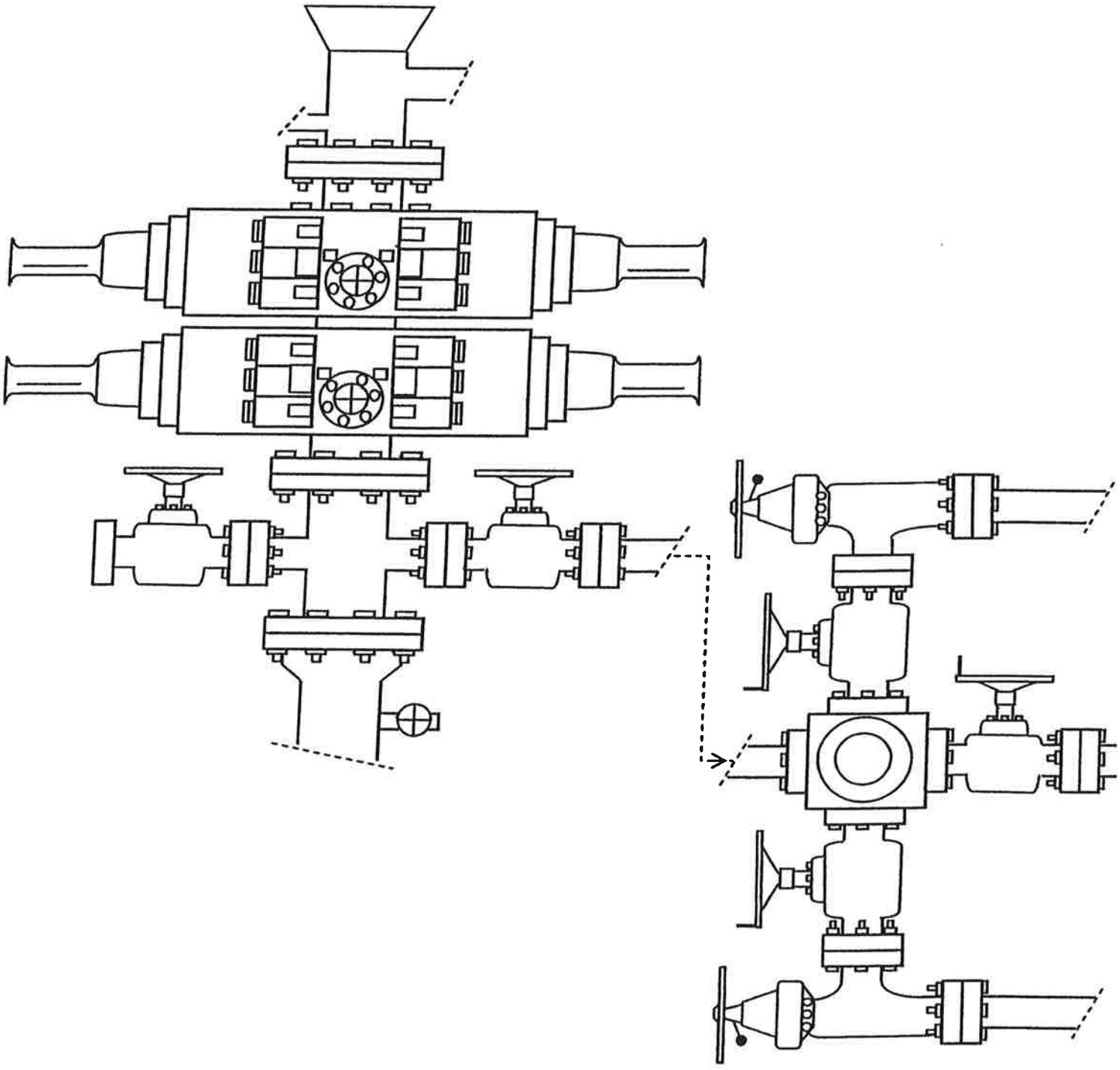

EXHIBIT C

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NEWFIELD

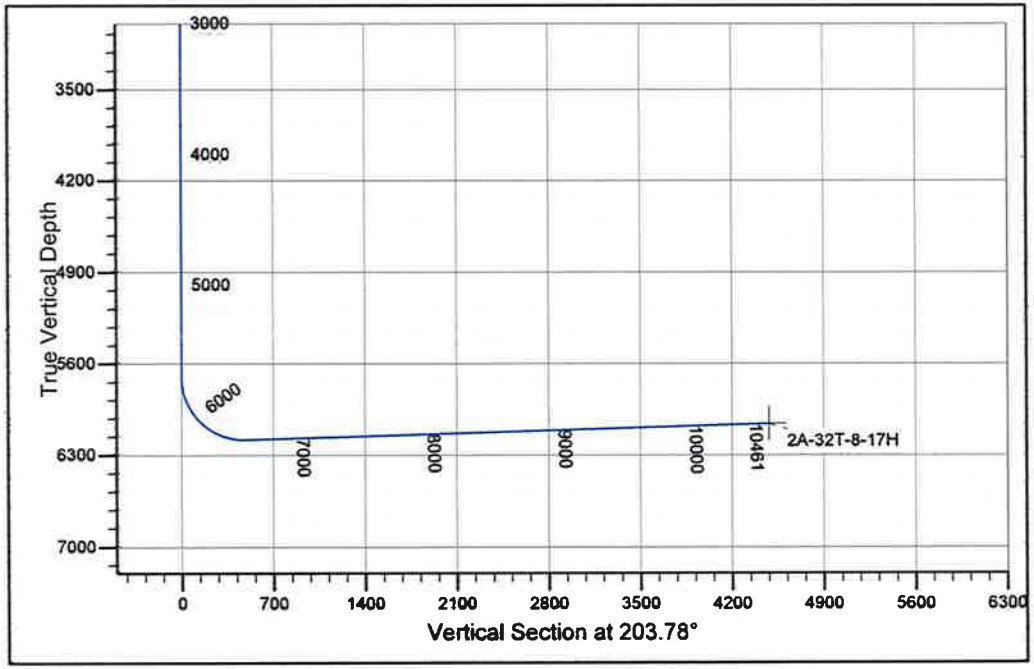
ROCKY MOUNTAINS

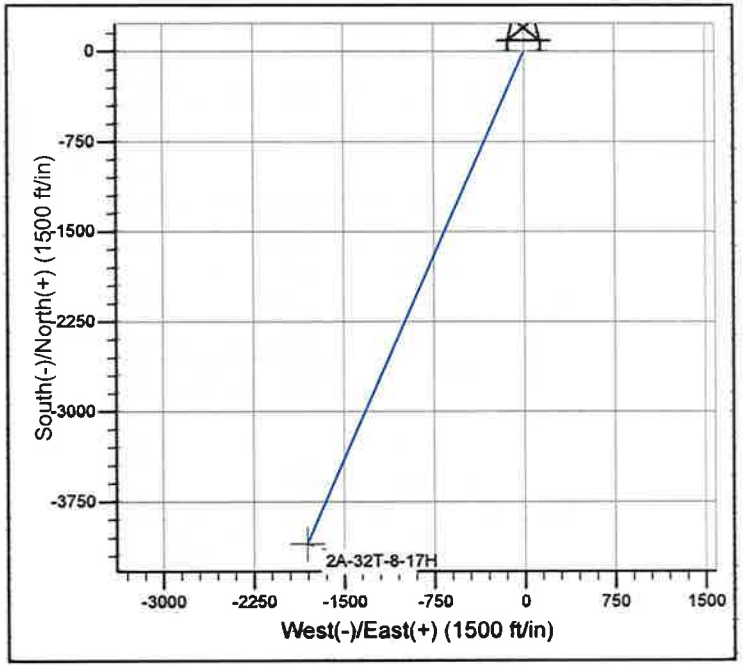
Newfield Production Company

Project: Monument Butte
Site: 2A-32T-8-17H
Well: 2A-32T-8-17H
Wellbore: Wellbore #1
Design: Design #1

T M Azimuths to True North
Magnetic North: 11.47°

Magnetic Field
Strength: 52471.2snT
Dip Angle: 65.88°
Date: 12/31/2009
Model: IGRF200510





SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5706.4	0.00	0.00	5706.4	0.0	0.0	0.00	0.00	0.0	
3	6471.3	91.79	203.78	6183.6	-450.6	-198.6	12.00	203.78	492.4	
	410460.7	91.79	203.78	6059.0	-4099.4	-1806.6	0.00	0.00	4479.9	2A-32T-8-17H

Created by: Hans Wychgram

Date: 1-26-11

PROJECT DETAILS: Monument Butte

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone
System Datum: Mean Sea Level

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Newfield Exploration
Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 2A-32T-8-17H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5223.0ft (Capstar #329)
Project:	Monument Butte	**MD Reference:**	RKB @ 5223.0ft (Capstar #329)
Site:	2A-32T-8-17H	**North Reference:**	True
Well:	2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Monument Butte		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	2A-32T-8-17H				
Site Position:		**Northing:**	2,194,796.42 m	**Latitude:**	40° 4' 43.190 N
From:	Lat/Long	**Easting:**	625,440.57 m	**Longitude:**	110° 1' 44.920 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	in	**Grid Convergence:**	0.94 °

Well	2A-32T-8-17H					
Well Position	**+N/-S**	0.0 ft	**Northing:**	2,194,796.42 m	**Latitude:**	40° 4' 43.190 N
	+E/-W	0.0 ft	**Easting:**	625,440.57 m	**Longitude:**	110° 1' 44.920 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,211.0 ft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	12/31/2009	11.48	65.88	52,471

Design Design #1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.0	0.0	0.0	203.78

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,706.4	0.00	0.00	5,706.4	0.0	0.0	0.00	0.00	0.00	0.00	
6,471.3	91.79	203.78	6,183.6	-450.6	-198.6	12.00	12.00	0.00	203.78	
10,460.7	91.79	203.78	6,059.0	-4,099.4	-1,806.6	0.00	0.00	0.00	0.00	2A-32T-8-17H

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Newfield Exploration
Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 2A-32T-8-17H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5223.0ft (Capstar #329)
Project:	Monument Butte	**MD Reference:**	RKB @ 5223.0ft (Capstar #329)
Site:	2A-32T-8-17H	**North Reference:**	True
Well:	2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

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Newfield Exploration
Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 2A-32T-8-17H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5223.0ft (Capstar #329)
Project:	Monument Butte	**MD Reference:**	RKB @ 5223.0ft (Capstar #329)
Site:	2A-32T-8-17H	**North Reference:**	True
Well:	2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,706.4	0.00	0.00	5,706.4	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	11.23	203.78	5,799.4	-8.4	-3.7	9.1	12.00	12.00	0.00
5,900.0	23.23	203.78	5,894.7	-35.4	-15.6	38.7	12.00	12.00	0.00
6,000.0	35.23	203.78	5,981.8	-80.0	-35.3	87.5	12.00	12.00	0.00
6,100.0	47.23	203.78	6,056.9	-140.2	-61.8	153.3	12.00	12.00	0.00
6,200.0	59.23	203.78	6,116.7	-213.4	-94.1	233.2	12.00	12.00	0.00
6,300.0	71.23	203.78	6,158.5	-296.4	-130.6	323.9	12.00	12.00	0.00
6,400.0	83.23	203.78	6,180.5	-385.4	-169.9	421.2	12.00	12.00	0.00
6,471.3	91.79	203.78	6,183.6	-450.6	-198.6	492.4	12.00	12.00	0.00
6,500.0	91.79	203.78	6,182.7	-476.8	-210.1	521.1	0.00	0.00	0.00
6,600.0	91.79	203.78	6,179.6	-568.3	-250.4	621.0	0.00	0.00	0.00
6,700.0	91.79	203.78	6,176.5	-659.7	-290.7	721.0	0.00	0.00	0.00
6,800.0	91.79	203.78	6,173.3	-751.2	-331.1	820.9	0.00	0.00	0.00
6,900.0	91.79	203.78	6,170.2	-842.7	-371.4	920.9	0.00	0.00	0.00
7,000.0	91.79	203.78	6,167.1	-934.1	-411.7	1,020.8	0.00	0.00	0.00
7,100.0	91.79	203.78	6,164.0	-1,025.6	-452.0	1,120.8	0.00	0.00	0.00
7,200.0	91.79	203.78	6,160.9	-1,117.1	-492.3	1,220.7	0.00	0.00	0.00
7,300.0	91.79	203.78	6,157.7	-1,208.5	-532.6	1,320.7	0.00	0.00	0.00
7,400.0	91.79	203.78	6,154.6	-1,300.0	-572.9	1,420.6	0.00	0.00	0.00
7,500.0	91.79	203.78	6,151.5	-1,391.4	-613.2	1,520.6	0.00	0.00	0.00
7,600.0	91.79	203.78	6,148.4	-1,482.9	-653.5	1,620.5	0.00	0.00	0.00
7,700.0	91.79	203.78	6,145.2	-1,574.4	-693.8	1,720.5	0.00	0.00	0.00
7,800.0	91.79	203.78	6,142.1	-1,665.8	-734.1	1,820.4	0.00	0.00	0.00
7,900.0	91.79	203.78	6,139.0	-1,757.3	-774.4	1,920.4	0.00	0.00	0.00
8,000.0	91.79	203.78	6,135.9	-1,848.8	-814.7	2,020.3	0.00	0.00	0.00
8,100.0	91.79	203.78	6,132.7	-1,940.2	-855.1	2,120.3	0.00	0.00	0.00
8,200.0	91.79	203.78	6,129.6	-2,031.7	-895.4	2,220.2	0.00	0.00	0.00
8,300.0	91.79	203.78	6,126.5	-2,123.2	-935.7	2,320.2	0.00	0.00	0.00
8,400.0	91.79	203.78	6,123.4	-2,214.6	-976.0	2,420.1	0.00	0.00	0.00
8,500.0	91.79	203.78	6,120.2	-2,306.1	-1,016.3	2,520.1	0.00	0.00	0.00
8,600.0	91.79	203.78	6,117.1	-2,397.5	-1,056.6	2,620.0	0.00	0.00	0.00
8,700.0	91.79	203.78	6,114.0	-2,489.0	-1,096.9	2,720.0	0.00	0.00	0.00
8,800.0	91.79	203.78	6,110.9	-2,580.5	-1,137.2	2,819.9	0.00	0.00	0.00
8,900.0	91.79	203.78	6,107.8	-2,671.9	-1,177.5	2,919.9	0.00	0.00	0.00
9,000.0	91.79	203.78	6,104.6	-2,763.4	-1,217.8	3,019.8	0.00	0.00	0.00
9,100.0	91.79	203.78	6,101.5	-2,854.9	-1,258.1	3,119.8	0.00	0.00	0.00
9,200.0	91.79	203.78	6,098.4	-2,946.3	-1,298.4	3,219.7	0.00	0.00	0.00
9,300.0	91.79	203.78	6,095.3	-3,037.8	-1,338.8	3,319.7	0.00	0.00	0.00
9,400.0	91.79	203.78	6,092.1	-3,129.2	-1,379.1	3,419.7	0.00	0.00	0.00
9,500.0	91.79	203.78	6,089.0	-3,220.7	-1,419.4	3,519.6	0.00	0.00	0.00
9,600.0	91.79	203.78	6,085.9	-3,312.2	-1,459.7	3,619.6	0.00	0.00	0.00
9,700.0	91.79	203.78	6,082.8	-3,403.6	-1,500.0	3,719.5	0.00	0.00	0.00
9,800.0	91.79	203.78	6,079.6	-3,495.1	-1,540.3	3,819.5	0.00	0.00	0.00
9,900.0	91.79	203.78	6,076.5	-3,586.6	-1,580.6	3,919.4	0.00	0.00	0.00
10,000.0	91.79	203.78	6,073.4	-3,678.0	-1,620.9	4,019.4	0.00	0.00	0.00
10,100.0	91.79	203.78	6,070.3	-3,769.5	-1,661.2	4,119.3	0.00	0.00	0.00
10,200.0	91.79	203.78	6,067.1	-3,861.0	-1,701.5	4,219.3	0.00	0.00	0.00
10,300.0	91.79	203.78	6,064.0	-3,952.4	-1,741.8	4,319.2	0.00	0.00	0.00
10,400.0	91.79	203.78	6,060.9	-4,043.9	-1,782.1	4,419.2	0.00	0.00	0.00
10,460.7	91.79	203.78	6,059.0	-4,099.4	-1,806.6	4,479.9	0.00	0.00	0.00

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Newfield Exploration
Planning Report

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 2A-32T-8-17H
Company:	Newfield Production Company	**TVD Reference:**	RKB @ 5223.0ft (Capstar #329)
Project:	Monument Butte	**MD Reference:**	RKB @ 5223.0ft (Capstar #329)
Site:	2A-32T-8-17H	**North Reference:**	True
Well:	2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2A-32T-8-17H									

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NEWFIELD PRODUCTION COMPANY
GREATER MONUMENT BUTTE 2A-32T-8-17H
AT SURFACE: NW/NE SECTION 32, T8S, R17E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site State 2A-32T-8-17H located in the NW¼ NE¼ Section 32, T8S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles ± to the junction of this highway and UT State Hwy 53; proceed southwesterly along Hwy 53 – 1.7 miles ± to it's junction with an existing road to the southeast; proceed southeasterly – 8.2 miles ± to its junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road – 1,260' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 1,260' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

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There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right: 43-7478

Neil Moon Pond
Water Right: 43-11787

Maurice Harvey Pond
Water Right: 47-1358

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

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A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

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b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 1,260' of planned access road to be granted. **Refer to Topographic Map "B".**

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

The Archaeological Resource Survey is attached. MOAC Report #08-091, 4/22/08. Paleontological Resource Survey will be forthcoming. See attached report cover page, Exhibit "D".

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

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Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte 2A-32T-8-17H, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte 2A-32T-8-17H Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative
Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721
Certification

Please be advised that Newfield Production Company is considered to be the operator of well #2A-32T-8-17H, NW/NE Section 32, T8S, R17E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

2/1/11
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

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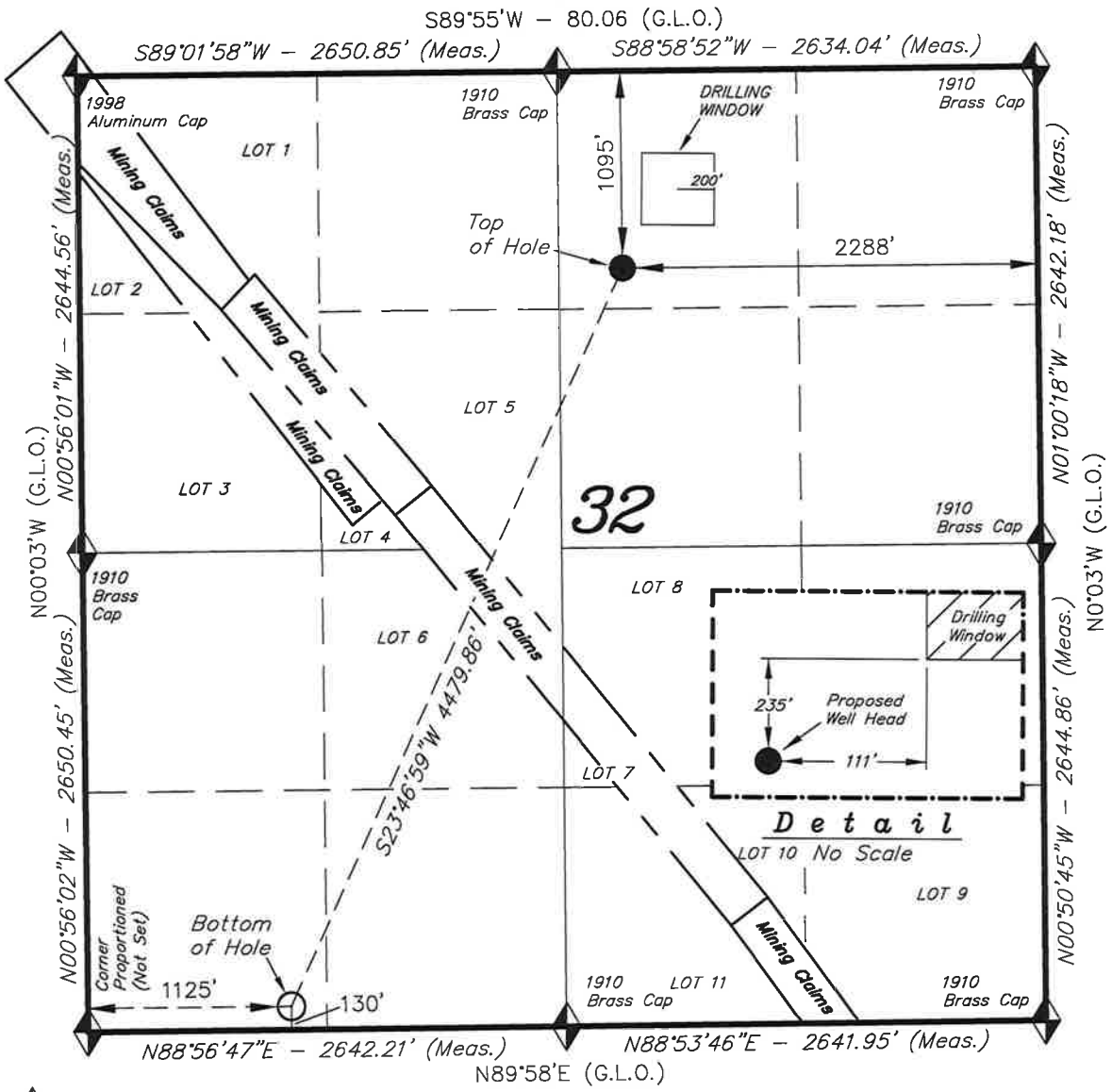
T8S, R17E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

2A–32T–8–17H
(Surface Location) NAD 83
LATITUDE = 40° 04' 43.19"
LONGITUDE = 110° 01' 44.92"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 2A–32T–8–17H, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 2A–32T–8–17H, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'

BAR SCALE

N

NOTES:
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

WELL LOCATION:
2A–32T–8–17H
ELEV. EXIST. GRADED GROUND = 5211.0'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

DATE SURVEYED: 08–22–07	SURVEYED BY: C.M.
DATE DRAWN: 08–27–07	DRAWN BY: M.W.
REVISED: 12–02–10 – M.W.	SCALE: 1" = 1000'

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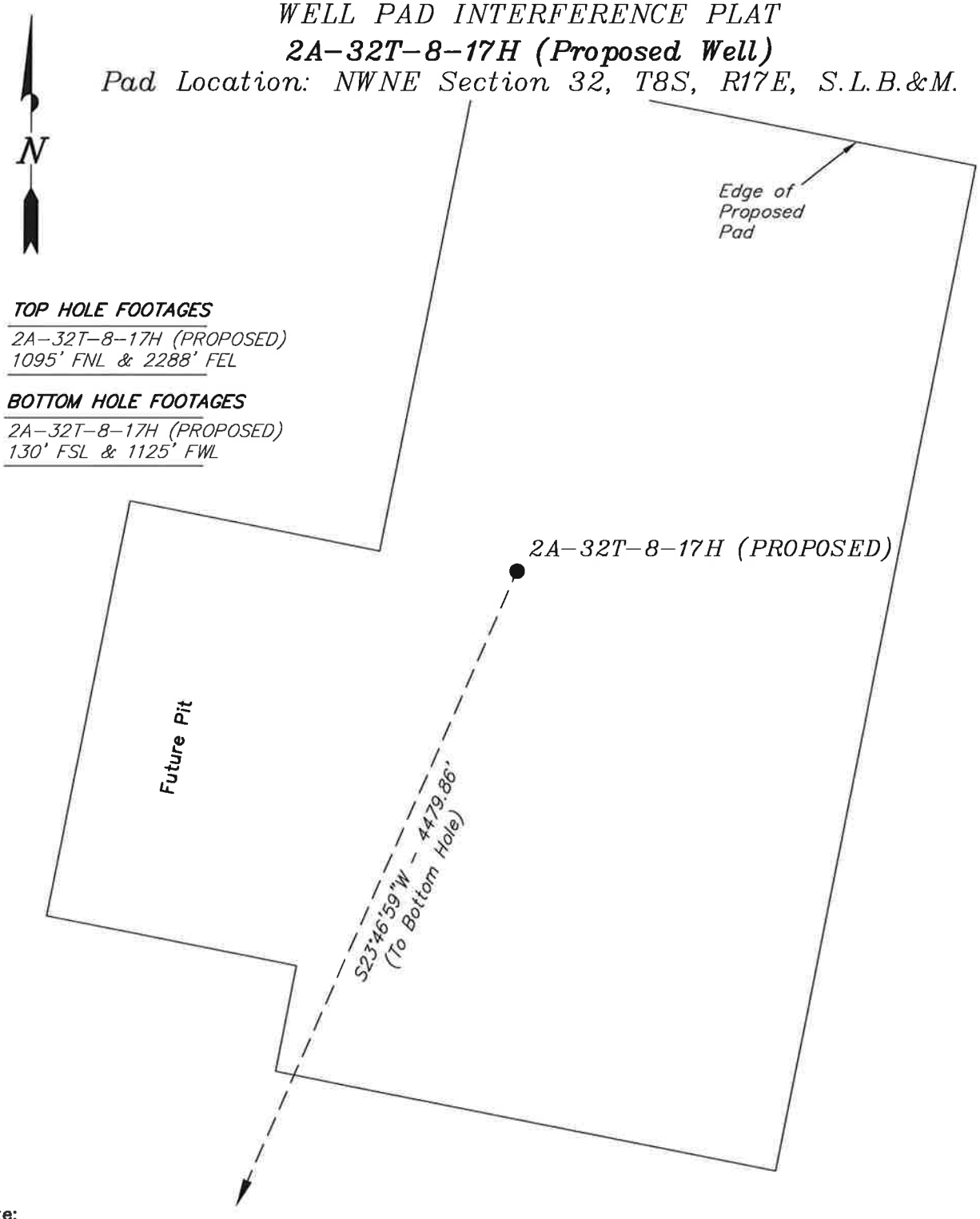
WELL PAD INTERFERENCE PLAT

2A-32T-8-17H (Proposed Well)

Pad Location: NWNE Section 32, T8S, R17E, S.L.B.&M.



Note:
Bearings are based on GPS Observations.

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
2A-32T-8-17H	-4099'	-1807'

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
2A-32T-8-17H	40° 04' 43.19"	110° 01' 44.92"

SURVEYED BY:	C.M.	DATE SURVEYED:	08-22-07
DRAWN BY:	M.W.	DATE DRAWN:	12-02-10
SCALE:	1" = 50'	REVISED:	

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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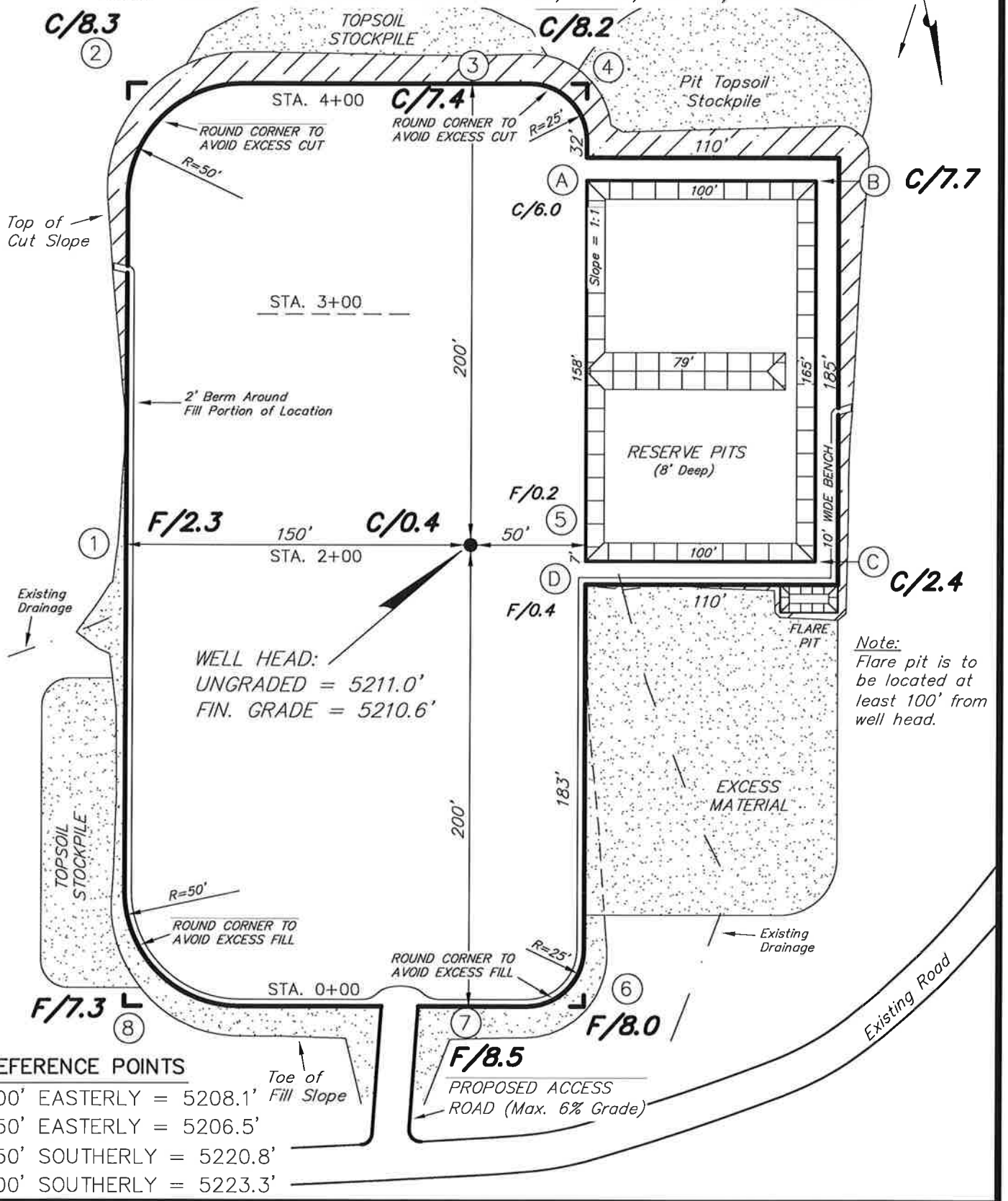
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

2A-32T-8-17H (Proposed Well)

Pad Location: NWNE Section 32, T8S, R17E, S.L.B.&M.



REFERENCE POINTS

200' EASTERLY = 5208.1'
250' EASTERLY = 5206.5'
250' SOUTHERLY = 5220.8'
300' SOUTHERLY = 5223.3'

SURVEYED BY: C.M.	DATE SURVEYED:	08-22-07	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	08-27-07	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:	M.W. - 12-02-10	

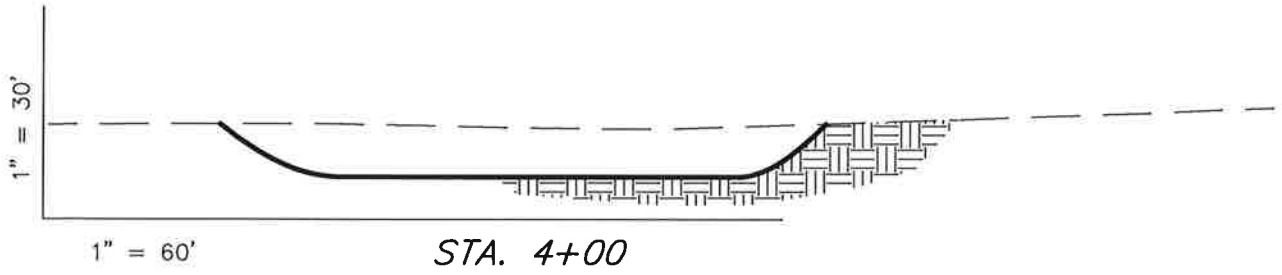
RECEIVED February 01, 2011

NEWFIELD EXPLORATION COMPANY

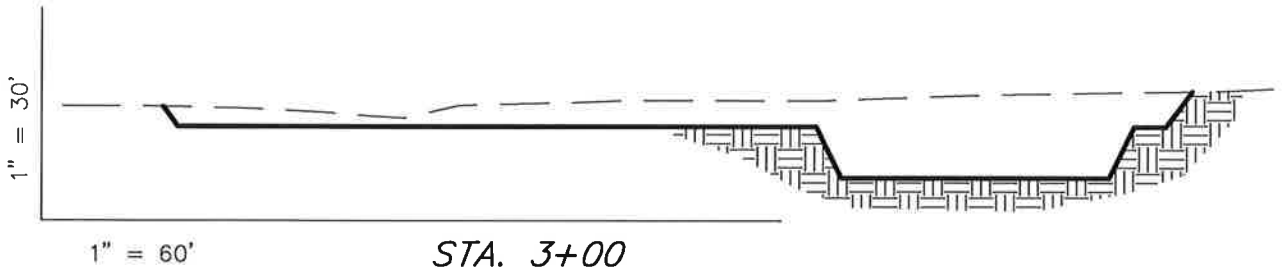
CROSS SECTIONS

2A-32T-8-17H (Proposed Well)

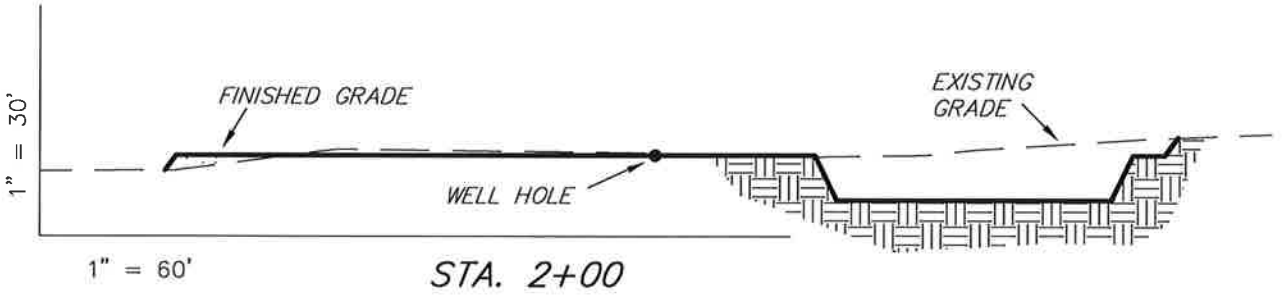
Pad Location: NWNE Section 32, T8S, R17E, S.L.B.&M.



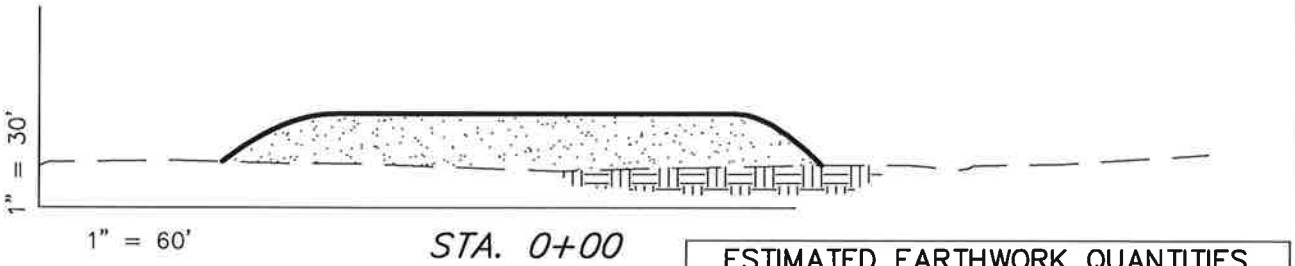
STA. 4+00



STA. 3+00



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	7,510	5,780	Topsoil is not included in Pad Cut	1,730
PIT	4,100	0		4,100
TOTALS	11,610	5,780	2,060	5,830

NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

SURVEYED BY: C.M.	DATE SURVEYED:	08-22-07	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	08-27-07	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:	M.W. - 12-02-10	

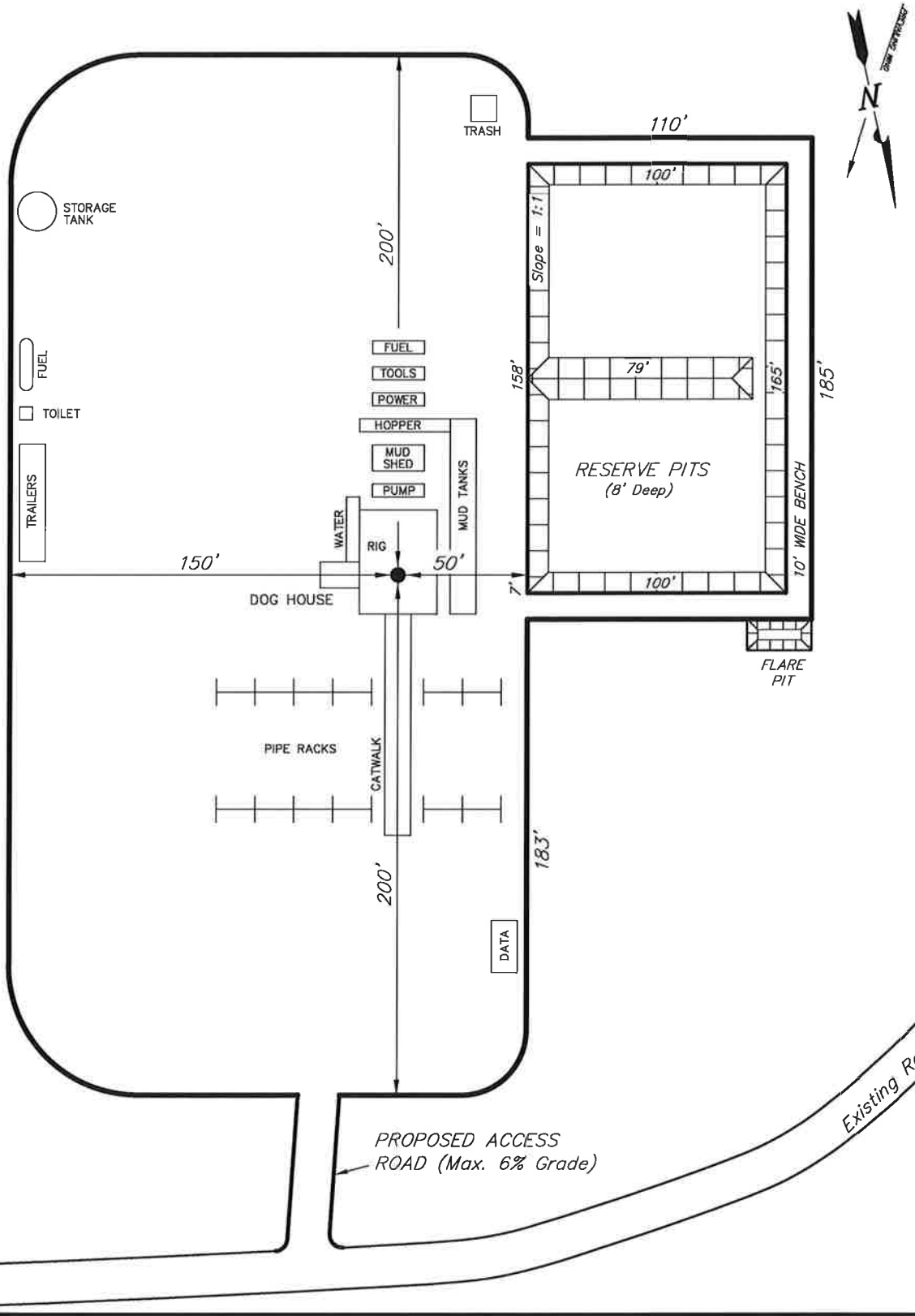
RECEIVED February 01, 2011

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

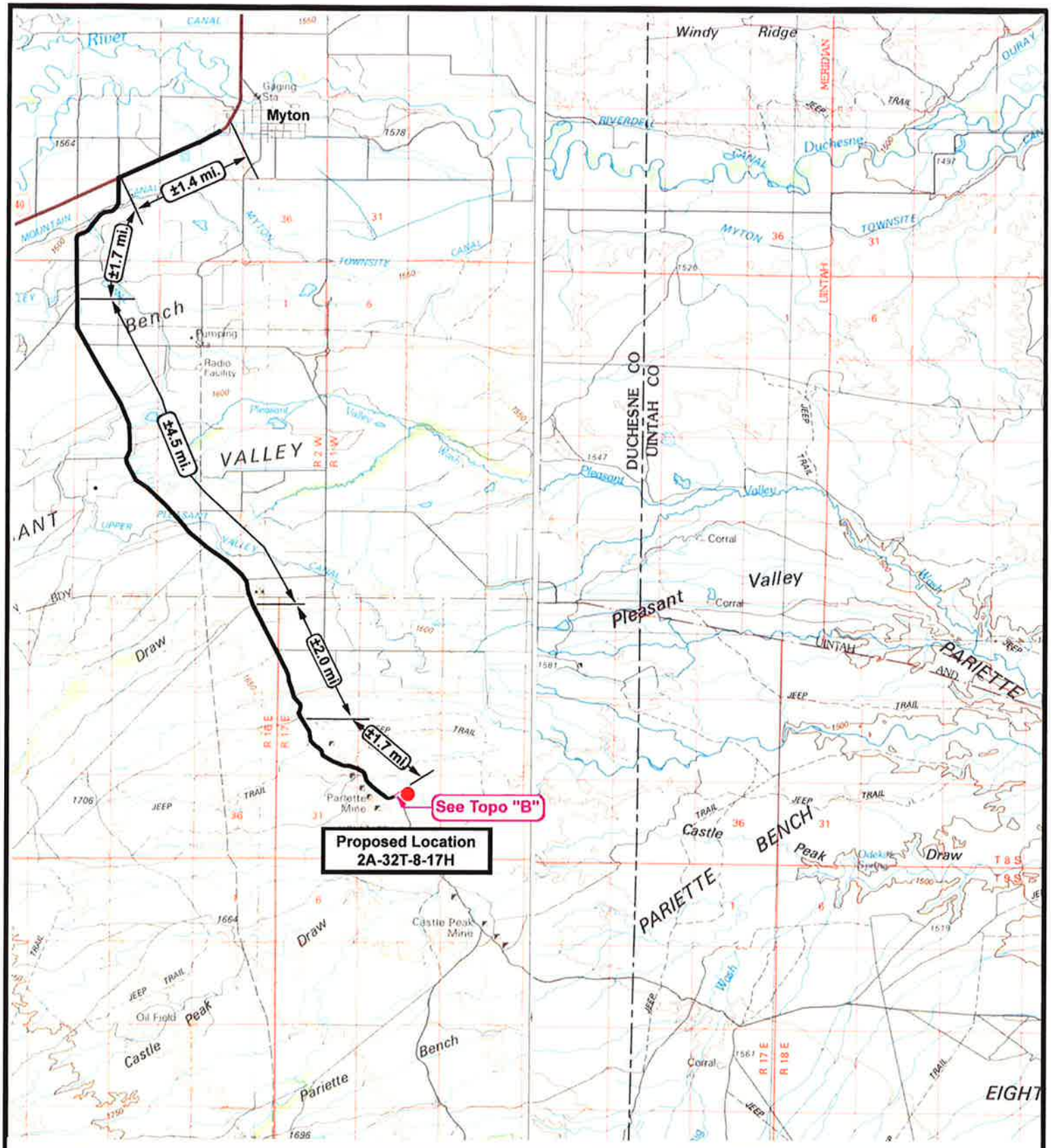
2A-32T-8-17H (Proposed Well)

Pad Location: NWNE Section 32, T8S, R17E, S.L.B.&M.



SURVEYED BY: C.M.	DATE SURVEYED: 08-22-07	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 08-27-07		
SCALE: 1" = 60'	REVISED: M.W. - 12-02-10	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

RECEIVED February 01, 2011



NEWFIELD
Exploration Company

2A-32T-8-17H
Section 32, T8S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

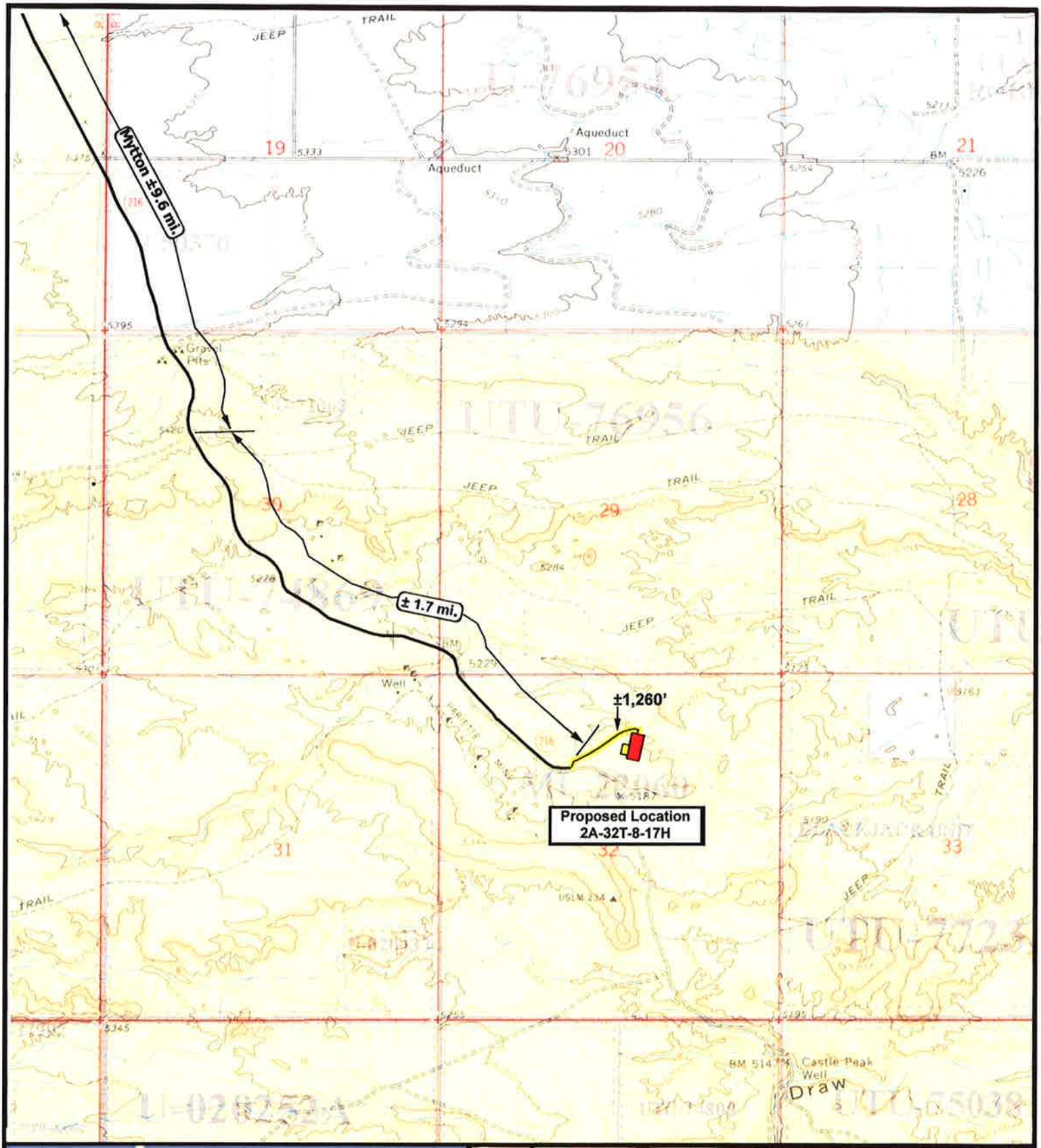
SCALE:1" = 100,000'
DRAWN BY: nc
DATE: 09-07-2007

Legend

Existing Road

TOPOGRAPHIC MAP
"A"

RECEIVED February 01, 2011



NEWFIELD
Exploration Company

2A-32T-8-17H
SEC. 32, T8S, R17E, S.L.B.&M.

N

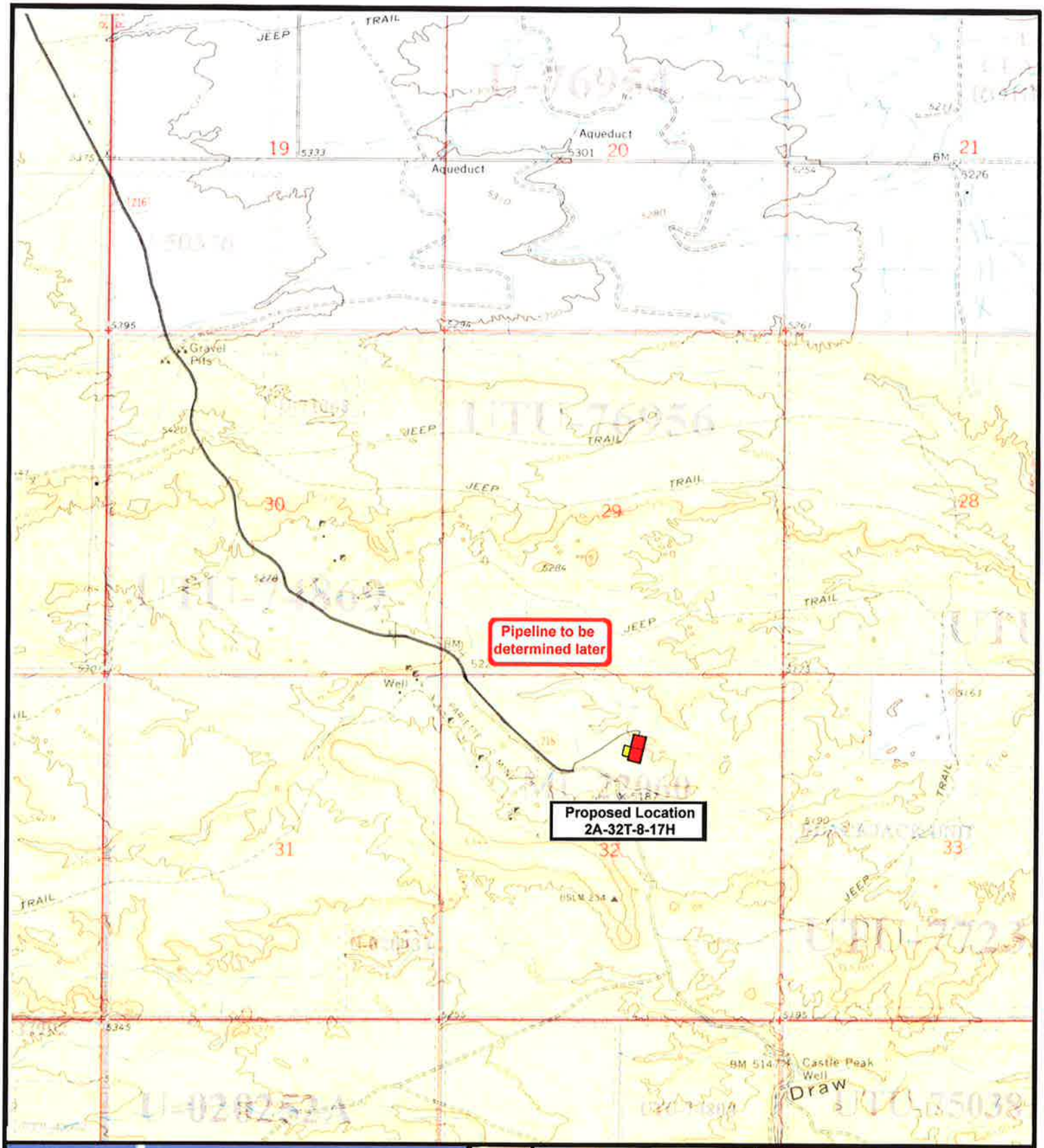
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 12-03-2010

Legend
Existing Road
Proposed Access

TOPOGRAPHIC MAP
"B"

RECEIVED February 01, 2011



NEWFIELD
Exploration Company

2A-32T-8-17H
SEC. 32, T8S, R17E, S.L.B.&M.

N

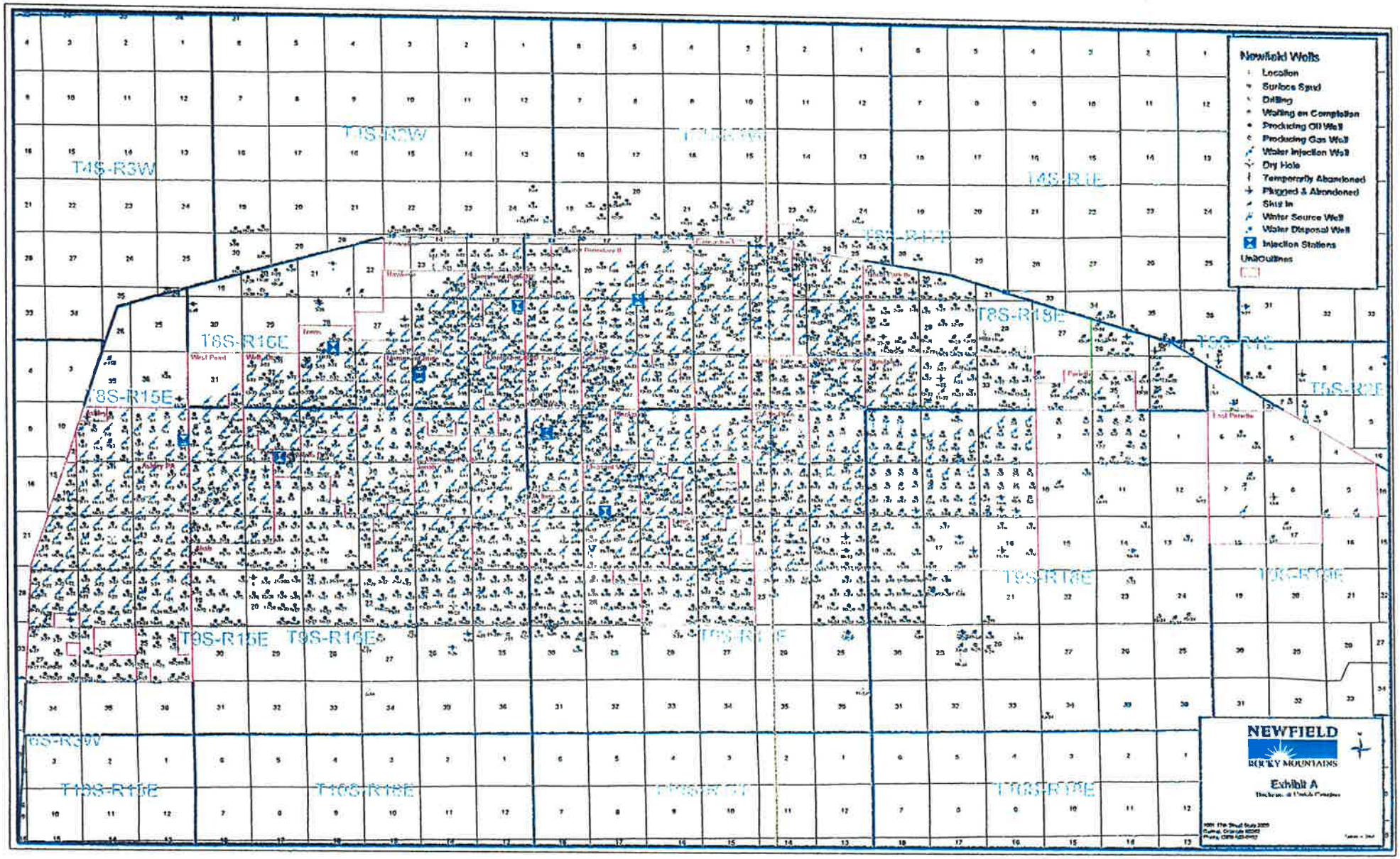
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend
Roads

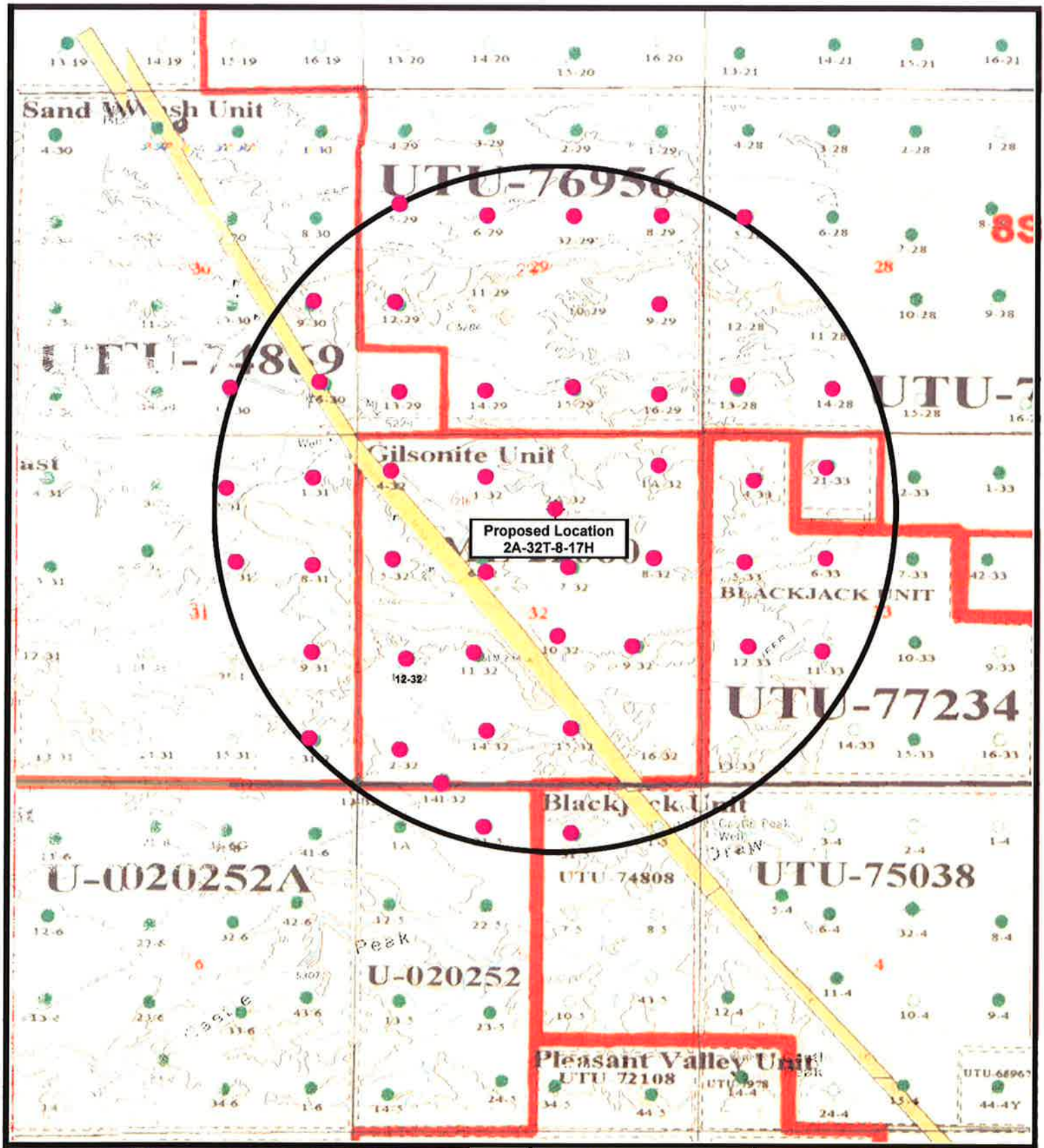
SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 12-03-2010

TOPOGRAPHIC MAP
"C"

RECEIVED February 01, 2011



RECEIVED February 01, 2011



NEWFIELD
Exploration Company

2A-32T-8-17H
SEC. 32, T8S, R17E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: nc
DATE: 12-03-2010

Exhibit "B"

RECEIVED February 01, 2011

2A-32T-8-17H

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S PROPOSED WELL LOCATIONS GILSONITE #2-32-8-17, #2A-32-8-17, AND #9-32-8-17 (TOWNSHIP 8S, RANGE 17E, SECTION 32) DUCHESNE COUNTY, UTAH

Exhibit "D"

By:

Jacki A. Montgomery

Prepared For:

State of Utah
School and Institutional Trust Land Administration

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Submitted By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 08-091

April 22, 2008

Public Lands Policy Coordination Office
Permit No. 117

State of Utah Antiquities Project (Survey)
Permit No. U-08-MQ-0236s

RECEIVED February 01, 2011

CONFIDENTIAL Spud

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 26 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number ~~State~~ GMB 2A-32T-8-17
Qtr/Qtr NW/NE Section 32 Township 8S Range 17E
Lease Serial Number ML-22060
API Number 43-013-33803

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/10/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 6/10/11 3:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400 ✓	4301333803	GREATER MON BUTTE 2A-32T-8-17H	NWNE	32	8S	17E	DUCHESNE	6/10/2011	6/29/11
WELL 1 COMMENTS: GRRV BHL = SWSW											CONFIDENTIAL
B	99999	17400 ✓	4301350495	GREATER MON BUTTE L-17-9-17	SWNE	17	9S	17E	DUCHESNE	6/18/2011	6/29/11
GRRV BHL = NESE											
B	99999	17400 ✓	4301350496	GREATER MON BUTTE M-17-9-17	SWNE	17	9S	17E	DUCHESNE	6/15/2011	6/29/11
GRRV BHL = SWNE											
B	99999	17400 ✓	4301350541	GREATER MON BUTTE H-11-9-16	SWNE	11	9S	16E	DUCHESNE	6/20/2011	6/29/11
GRRV BHL = NENW											
B	99999	17400 ✓	4301350542	GREATER MON BUTTE I-11-9-16	NENE	11	9S	16E	DUCHESNE	6/21/2011	6/29/11
GRRV BHL = NENE											
A	99999	18085	4301350590	HANCOCK 8-20-4-1W	SENE	20	4S	1W	DUCHESNE	5/25/2011	6/29/11
GRRV											CONFIDENTIAL

ACTION CODES (See instructions on back of form)
- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED
JUN 27 2011
DIV. OF OIL, GAS & MINING

Jentri Park
Signature
Production Clerk
06/23/11

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: GMBU

1. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER

8. WELL NAME and NUMBER: GILSONITE STATE #2A-32T-8-17 H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 4301333803

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER: 435.646.3721

10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE, 32, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
[ ] NOTICE OF INTENT (Submit in Duplicate)	[ ] ACIDIZE	[ ] DEEPEN	[ ] REPERFORATE CURRENT FORMATION
Approximate date work will	[ ] ALTER CASING	[ ] FRACTURE TREAT	[ ] SIDETRACK TO REPAIR WELL
	[ ] CASING REPAIR	[ ] NEW CONSTRUCTION	[ ] TEMPORARITLY ABANDON
	[ ] CHANGE TO PREVIOUS PLANS	[ ] OPERATOR CHANGE	[ ] TUBING REPAIR
	[ ] CHANGE TUBING	[ ] PLUG AND ABANDON	[ ] VENT OR FLAIR
[X] SUBSEQUENT REPORT (Submit Original Form Only)	[ ] CHANGE WELL NAME	[ ] PLUG BACK	[ ] WATER DISPOSAL
Date of Work Completion:	[ ] CHANGE WELL STATUS	[ ] PRODUCTION (START/STOP)	[ ] WATER SHUT-OFF
08/03/2011	[ ] COMMINGLE PRODUCING FORMATIONS	[ ] RECLAMATION OF WELL SITE	[X] OTHER: - Spud Notice
	[ ] CONVERT WELL TYPE	[ ] RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/10/11 MIRU Ross #26. Spud well @11:00 AM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 318.48. On 6/14/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 5 barrels cement to pit. WOC.

RECEIVED
AUG 09 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Branden Arnold TITLE

SIGNATURE Branden Arnold DATE 08/03/2011

(This space for State use only)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT **318.48**

LAST CASING **14** SET AT **8**
DATUM **13**
DATUM TO CUT OFF CASING **13**
DATUM TO BRADENHEAD FLANGE **13**
TD DRILLER **315** LOGGER
HOLE SIZE **12 1/4"**

OPERATOR **Newfield Exploration Company**
WELL **STATE 2A-32T-8-17H**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **Ross # 26**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead				A	1.42
7	8 5/8"	casing (shoe jt 44.30)	24	J-55	STC	A	305.16
1	8 5/8"	guide shoe				A	0.9

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	307.48	7
LESS NON CSG. ITEMS	2.32	
PLUS FULL JTS. LEFT OUT	0	
TOTAL	305.16	7
TOTAL CSG. DEL. (W/O THRDS)		
TIMING		
BEGIN RUN CSG. Spud	11:00 AM	6/10/2011
CSG. IN HOLE	5:00 AM	6/10/2011
BEGIN CIRC	10:45 AM	6/14/2011
BEGIN PUMP CMT	10:54 AM	6/14/2011
BEGIN DSPL. CMT	11:03 AM	6/14/2011
PLUG DOWN	**11:10 AM**	**6/14/2011**

TOTAL LENGTH OF STRING	307.48
LESS CUT OFF PIECE	2
PLUS DATUM TO T/CUT OFF CSG	13
CASING SET DEPTH	**318.48**

} COMPARE

GOOD CIRC THRU JOB Yes
Bbls CMT CIRC TO SURFACE
RECIPROCATED PIPI No

BUMPED PLUG TO 560

CEMENT USED		CEMENT COMPANY- **BJ**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 5bbls to pit
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle of first, top of second and third for a total of three.		

COMPANY REPRESENTATIVE **Branden Arnold** DATE **6/14/2011**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: GREATER MON BUTTE 2A-32T-8-17H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/6/2011	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield requests to change the production casing design. The change in design is in the horizontal portion of the well only. Due to geological requirements, a special density LWD (logging while drilling) tool may be used to help steer the well if necessary. This tool is only available in 4-3/4" tool size. The well will be drilled as previously submitted in the vertical and curve sections (7-7/8" hole size). Once the well is landed in the Basal Carbonate formation the hole size will be changed to 6-1/8". This hole size allows for the flexibility to use the special density LWD log if necessary. The production casing will be changed to a 5-1/2", 20#, L-80 x 4-1/2", 11.6#, P-110 tapered string. The increased strength in this casing design will allow for higher frac pressures. All other drilling program information will remain as originally submitted.

Approved by the Utah Division of Oil, Gas and Mining

Date: 09/20/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 9/6/2011

RECEIVED Sep. 06, 2011

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: GREATER MON BUTTE 2A-32T-8-17H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/30/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change to Cement Design

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield respectfully requests to change the cement design on the Greater Mon. Butte 2A-32T-8-17H. The change in design is in the horizontal portion of the well. The open hole completion system that was originally planned with be replaced by a cement slurry throughout the entire lateral. Cement will be brought back to surface. The well will be drilled horizontally as previously submitted. An updated drilling plan is attached documenting the changes mentioned above.

Approved by the Utah Division of Oil, Gas and Mining

Date: May 07, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 4/30/2012

RECEIVED: Apr. 30, 2012

Newfield Production Company
GMBU 2A-32T-8-17H
NW/NE Sec 32 T8S R17E
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface			
Green River	1,593'			
Garden Gulch member	4,190'			
TD	6,059'	TVD /	10,460'	MD

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	300'				(water)
Green River	4,190'	-	6,059'	TVD	(oil)

3. Pressure Control

Section	BOP Description
Surface	No control
Production	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system. A 2M BOP system will consist of 2 ram preventers (double or two singles), and a rotating head. A choke manifold rated to at least 2,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom (TVD/MD)							Burst	Collapse	Tension
Surface 8 5/8	0'	500'	24	J-55	STC	8.33	8.33	12	2,950 10.52	1,370 8.61	244,000 20.33
Production 5 1/2	0'	6,183' 6,471'	20	N-80	LTC	8.33	9.0	--	9,190 4.46	8,830 3.88	428,000 3.46
Production 4 1/2	6,471'	6,059' 10,460'	11.6	P-110	BTC	8.33	9.0	--	10,690 5.30	7,560 3.39	279,000 5.47

A tapered string of production casing will be run. A 7-7/8" hole will be drilled for the 5-1/2" casing in the vertical and curve sections of the well. A 6-1/8" hole will be drilled for the 4-1/2" casing in the lateral section of the well.

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)

RECEIVED: Apr. 30, 2012

All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Surface	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	237 / 203	15%	15.8	1.17
Production Lead	7 7/8	6,471'	Premium Lite II w/ 3% KCl + 10% bentonite	1289 / 365	15%	11.0	3.53
Production Tail	6 1/8	3,989'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	432 / 348	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

The production string will be cemented throughout the lateral and cement will be brought to surface

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval — **Description**

Surface - 500' — An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.

500' - TD — A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A Gamma Ray log will be run from TD to surface.

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A cement bond log will be run in the vertical portion of the well.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.43 psi/ft gradient.

6,183' x 0.43 psi/ft = 2678 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

The well will be drilled vertically to a kick-off point of 5,706' .
Directional tools will then be used to build to 91.79 degrees inclination.
The hole size in the lateral will be reduced to 6-1/8". The lateral will be drilled to the bottomhole location shown on the plat.
A tapered string of production casing will be run in the well, with 5-1/2" casing in the vertical and curve portions and 4-1/2" casing in the lateral portion.
The lateral will be cemented to provide multi-stage frac isolation.

Newfield requests the following Variances from Onshore Order # 2:

- Variance from Onshore Order 2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

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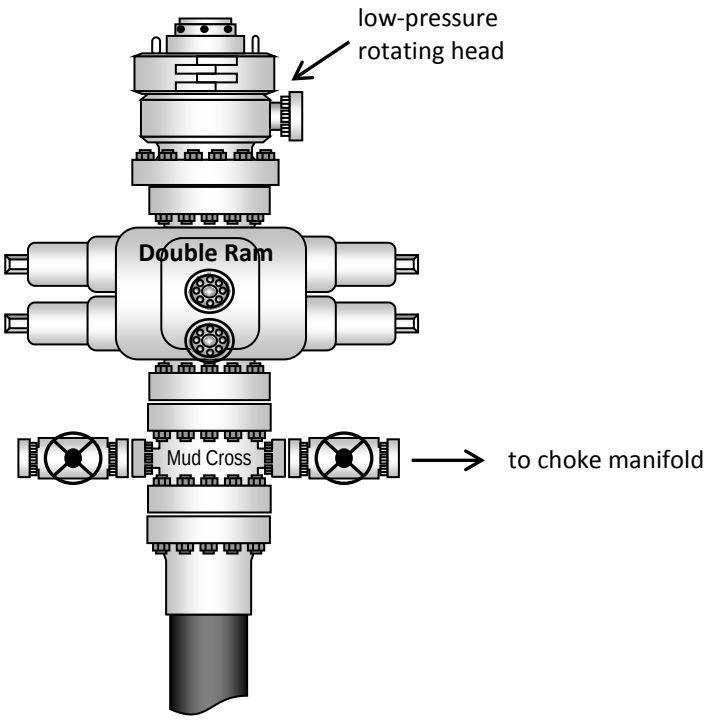
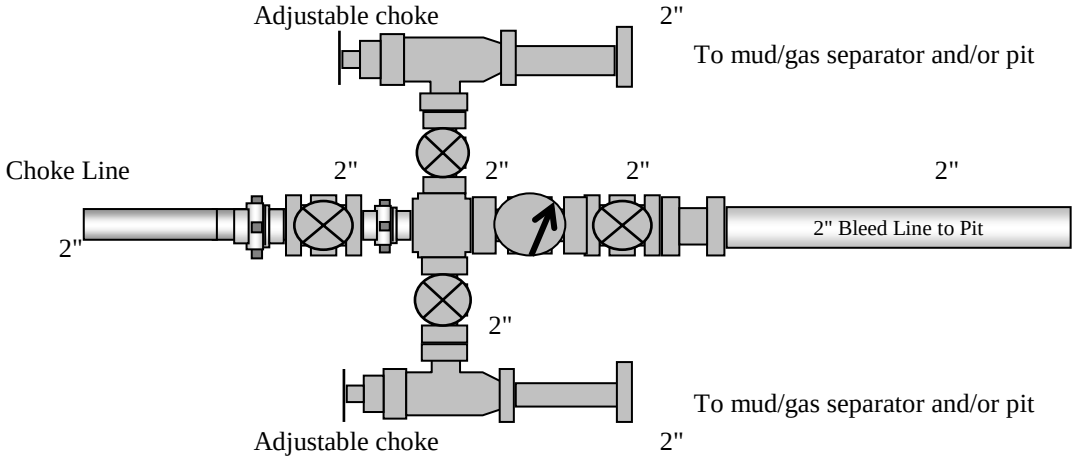
Typical 2M BOP stack configuration



Typical 2M Choke Manifold Configuration



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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: GREATER MON BUTTE 2A-32T-8-17H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 6/18/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was placed on production on 06/18/2012 at 21:30 hours. Production Start Sundry resent 10/3/2012.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 04, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Peatross	435 646-4885	Production Technician
SIGNATURE N/A		**DATE** 10/3/2012

RECEIVED: Oct. 03, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: GREATER MON BUTTE 2A-32T-8-17H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 5/19/2012	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above well was put on production on 05/19/2012 at 21:30 hours.
Production Start Sundry resent 10/05/2012.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 11, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Kaci Deveraux	435 646-4867	Production Technician
SIGNATURE N/A		**DATE** 10/5/2012

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API Well Number: 43013338030000

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: ML-22060

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: Amended Report

6. If Indian, Allottee or Tribe Name: NA

7. Unit or CA Agreement Name and No.: GMBU (GRRV)

2. Name of Operator: NEWFIELD EXPLORATION COMPANY

8. Lease Name and Well No.: GMBU 2A-32T-8-17H

3. Address: 1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. *(include area code)*: (435) 646-3721

9. AFI Well No.: 43-013-33803

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1095' FNL & 2288' FEL (NW/NE) SEC. 32, T8S, R17E (ML-22060)

At top prod. interval reported below: 1837' FNL & 2358' FEL (SW/NE) SEC. 32, T8S, R17E (ML-22060)

At total depth: 19' FSL & 1490' FWL (SW/SW) SEC. 32, T8S, R17E (ML-22060)

10. Field and Pool or Exploratory: MONUMENT BUTTE

11. Sec., T., R., M., on Block and Survey or Area: SEC. 32, T8S, R17E

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 06/10/2011

15. Date T.D. Reached: 05/28/2012

16. Date Completed: ☐ D & A ☑ Ready to Prod. 06/18/2012

17. Elevations (DF, RKB, RT, GL)*: 5211' GL 5224' KB

18. Total Depth: MD 10485' TVD 6054'

19. Plug Back T.D.: MD 10428' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. DENSITY,COMP. NEUTRON,GR,CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	317'		160 CLASS G			
6-1/8"	5-1/2" L-80	20#	0	6010'		375 Extendace		Surface	
6-1/8"	4-1/2" P-110	13.5#	6029'	10468'		550 Elastiseal			
						50 Elastiseal			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6000'	CE @ 5980'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	6610'	10421'	6610-10313'	0.38 EH	234	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
6610-10421'	Frac w/ 322231#s 30/50 white sand, 471033#s 20/40 white sand, 127000# 100 mesh; 43061 bbls Slickwater fluid; 20 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/14/12	6/29/12	24	→	98	31	32			3 1/2" Jet Lift Assembly

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

SOLD AND USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	6610'	10421'		GARDEN GULCH	3865'
				GARDEN GULCH 1	4055'
				GARDEN GULCH 2	4174'
				X MARKER	4672'
				Y MARKER	4709'
				DOUGLAS CREEK	4832'
				BI-CARBONATE	5073'
				B LIMESTONE	5226'
				CASTLE PEAK	5278'
				BASAL CARB	6280'
				BASAL CARB A	6325'
				BASAL CARB B	6352'
				BASAL CARB C	6460'

32. Additional remarks (include plugging procedure):

The above well was placed on placed on production with a jet lift assembly on 06/18/2012 at 21:30 hours.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other: Horizontal Wellbore Diagram

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Jennifer Peatross Title Production Technician

Signature Jennifer Peatross Date 05/02/2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

RECEIVED: May. 02, 2013

Daily Activity Report

Format For Sundry

STATE 2A-32T-8-17H

3/1/2012 To 7/30/2012

6/4/2012 Day: 1 **Completion**

WWS #5 on 6/4/2012 - MIRUSU WWS #5. Spot pipe rcks, cat walk, & unload 2 3/8" PH-6 workstring. Prep & tally tbg. MU TTS perf tools. TIH PU 330 jts tbg. - Crew travel. - Crew travel & pre-job safety meeting. - MIRUSU WWS #5. Spot pipe racks & cat walk. NU FMC 7 1/16" 10K manual frac valve. NU Weatherford 5 1/2" 5 K Cameron BOP. RU workfloor. Prep & tally 2 3/8" PH-6 work string. MU TTS BTM hole assembly. TIH PU tbg. Get in hole w/ 330 jts tbg. Turn over to next shift.
Daily Cost: $0
Cumulative Cost: $35,376

6/5/2012 Day: 2 **Completion**

WWS #5 on 6/5/2012 - Continue PU tbg to tag PBTD @ 10428'. Drop ball. Perforate @ 10420', 10415, & 10410' w/ 2400# sand. Circulate well clean. TOOH to vertical. Pump in 5 bw to ensure perforation. TOOH laying down tbg. RDMOSU WWS #5. - Pressure test frac stack & flow back equipment. - Crew travel & pre-job safety meeting. - RU flow back equipment. - RU flow back equipment. - NU frac stack. - NU frac stack. - Crew travel - Crew travel - RDMOSU WWS #5. - RDMOSU WWS #5. - Crew travel & pre-job safety meeting. - Crew travel & pre-job safety meeting. - Crew travel. - Crew travel. - RU Pure Energy WLT & Baker Hughes pump truck. Pump logging tools to PBTD @ 10428'. Run radial CBL to surface. RD WLT & pump truck. Move equipment off location. - RU Pure Energy WLT & Baker Hughes pump truck. Pump logging tools to PBTD @ 10428'. Run radial CBL to surface. RD WLT & pump truck. Move equipment off location. - Crew travel - Crew travel - Continue PU 7 jts tbg. Tag PBTD @ 10428'. Drop ball & pump down to open perf ports. Shift sleeve @ 3200 psi. PU hole to 10420'. Abrasive perforate w/ 3 spf @ 120° phasing w/ 800# sand. PU hole to 10415'. Perforate w/ 800# sand. PU hole to 10410'. Perforate w/ 800# sand. Circulate well clean. LD 145 jts tbg. Pump into perfs w/ 5 bw @ 1.5 BPM @ 1800 psi. Continue LD remaining 192 jts tbg. Get out of hole w/ tbg. LD TTS btm hole assembly. RD workfloor. Turn over to relief crew - Continue PU 7 jts tbg. Tag PBTD @ 10428'. Drop ball & pump down to open perf ports. Shift sleeve @ 3200 psi. PU hole to 10420'. Abrasive perforate w/ 3 spf @ 120° phasing w/ 800# sand. PU hole to 10415'. Perforate w/ 800# sand. PU hole to 10410'. Perforate w/ 800# sand. Circulate well clean. LD 145 jts tbg. Pump into perfs w/ 5 bw @ 1.5 BPM @ 1800 psi. Continue LD remaining 192 jts tbg. Get out of hole w/ tbg. LD TTS btm hole assembly. RD workfloor. Turn over to relief crew - Crew travel & pre-job safety meeting. - Pressure test frac stack & flow back equipment.
Daily Cost: $0
Cumulative Cost: $92,526

6/6/2012 Day: 4 **Completion**

Rigless on 6/6/2012 - RU Baker Hughes frac equipment - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 9780' w/ 200 BW. Set plug @ 9760'. Perforate stg #5 @ 9710', 9660', & 9610'. POOH w/ wireline. - MIRU Baker Hughes frac equipment. - Knock pump #1 off the line to work on during WL. PU plug & perf guns. Pressure test lubricator. - Knock pump #1 off the line to work on during WL. PU plug & perf guns. Pressure test lubricator. - Frac stg #4 w/ 7800# 100 mesh sand & 50548# 30/50 sand. Treating fluid 1331 bbls slick water. ISDP 3472 psi. FG 1.01 psi/ft. 5 min 2422 psi. 10 min 2323 psi. 15 min 2269 psi. Max

treating pressure 9130 psi. Avg treating pressure 7415 psi. Max treating rate 60.1 bpm. Avg treating rate 53.6 bpm. Pump #1 that was brought in between stages went down during 2nd 1# 30/50 stage. Lost inline densometer during 2nd 1.25# 30/50 stage. Marked flush at 0# on the blender. Pressure increase during final 1.25# 30/50 stage and flush. Dropped rate throughout flush until sand cleared perfs. Pressure rolled over once sand cleared perfs. - Frac stg #4 w/ 7800# 100 mesh sand & 50548# 30/50 sand. Treating fluid 1331 bbls slick water. ISDP 3472 psi. FG 1.01 psi/ft. 5 min 2422 psi. 10 min 2323 psi. 15 min 2269 psi. Max treating pressure 9130 psi. Avg treating pressure 7415 psi. Max treating rate 60.1 bpm. Avg treating rate 53.6 bpm. Pump #1 that was brought in between stages went down during 2nd 1# 30/50 stage. Lost inline densometer during 2nd 1.25# 30/50 stage. Marked flush at 0# on the blender. Pressure increase during final 1.25# 30/50 stage and flush. Dropped rate throughout flush until sand cleared perfs. Pressure rolled over once sand cleared perfs. - Hold Pre-stg safety meeting. Pressure test lines. - Hold Pre-stg safety meeting. Pressure test lines. - Wait on 2 BHI pumps en route from Vernal. 1 down truck is on the inside bank and cannot be moved off location. Spot in 1 truck and leave the other off location for backup. - Wait on 2 BHI pumps en route from Vernal. 1 down truck is on the inside bank and cannot be moved off location. Spot in 1 truck and leave the other off location for backup. - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 9980' w/ 164bw. Set plug @ 9960'. Perforate stg #4 @ 9910', 9860', & 9810'. POOH w/ wireline. - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 9980' w/ 164bw. Set plug @ 9960'. Perforate stg #4 @ 9910', 9860', & 9810'. POOH w/ wireline. - Rig down 2 BHI pumps that are broke down. Pressure test BHI lines. PU plug & perf guns. Pressure test lubricator. - Rig down 2 BHI pumps that are broke down. Pressure test BHI lines. PU plug & perf guns. Pressure test lubricator. - Frac stg #3 w/ 7800# 100 mesh sand & 50301# 30/50 sand. Treating fluid 1313 bbls slick water. Cut sand w/ 2128# left due to pressure. ISDP 3824 psi. FG 1.07. 5 min 2560 psi. 10 min 2411 psi. 15 min 2326 psi. Max treating pressure 8723 psi. Avg treating pressure 7446 psi. Max treating rate 60 bpm. Avg treating rate 56.8 bpm. - Frac stg #3 w/ 7800# 100 mesh sand & 50301# 30/50 sand. Treating fluid 1313 bbls slick water. Cut sand w/ 2128# left due to pressure. ISDP 3824 psi. FG 1.07. 5 min 2560 psi. 10 min 2411 psi. 15 min 2326 psi. Max treating pressure 8723 psi. Avg treating pressure 7446 psi. Max treating rate 60 bpm. Avg treating rate 56.8 bpm. - Hold Pre-Job safety meeting. Pressure test lines. Had trouble setting popoff. - Hold Pre-Job safety meeting. Pressure test lines. Had trouble setting popoff. - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 10180' w/ 228bw. Set plug @ 10160'. Perforate stg #3 @ 10110', 10060', & 10010'. POOH w/ wireline. - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 10180' w/ 228bw. Set plug @ 10160'. Perforate stg #3 @ 10110', 10060', & 10010'. POOH w/ wireline. - Attempt to wire BH to Pure WLT monitor to monitor rate & pressure w/ out success. PU plug & perf guns. Pressure test lubricator. - Attempt to wire BH to Pure WLT monitor to monitor rate & pressure w/ out success. PU plug & perf guns. Pressure test lubricator. - Frac stg #2 w/ 29370# 100 mesh sand & 5400# 30/50 sand. Treating fluid 1348 bbls slick water. Cut sand w/ 25230# left due to pressure. ISDP 5324 psi. FG 1.23. 5 min 2475 psi. 10 min 2352 psi. 15 min 2274 psi. Max treating pressure 8745 psi. Avg treating pressure 6933 psi. Max treating rate 54.9 bpm. Avg treating rate 51.2 bpm. - Frac stg #2 w/ 29370# 100 mesh sand & 5400# 30/50 sand. Treating fluid 1348 bbls slick water. Cut sand w/ 25230# left due to pressure. ISDP 5324 psi. FG 1.23. 5 min 2475 psi. 10 min 2352 psi. 15 min 2274 psi. Max treating pressure 8745 psi. Avg treating pressure 6933 psi. Max treating rate 54.9 bpm. Avg treating rate 51.2 bpm. - Re-torque flange w/ RMT torque unit. - Re-torque flange w/ RMT torque unit. - Open well w/ 1950 psi. Break down stg #2 @ 5704 psi @ 18.5 bpm w/ 36.3 bw. Pump ball to plug w/ 171 bw. Second break @ 7507 psi. SD due to Baker Hughes frac head leaking @ flange. - Open well w/ 1950 psi. Break down stg #2 @ 5704 psi @ 18.5 bpm w/ 36.3 bw. Pump ball to plug w/ 171 bw. Second break @ 7507 psi. SD due to Baker Hughes frac head leaking @ flange. - Hold pre-stg safety meeting. Pressure test frac equipment. - Hold pre-stg safety meeting. Pressure test frac equipment. - RIH w/ wireline to 6000'. Start pump down ops. Pump tools to 10386' w/ 210 bw. Correlate depth to csg collars off CBL. Set Halliburton 10K flow through frac plug @ 10355'. Perforate stg #2 @ 10310', 10260', & 10210'. POOH w/ wireline. - RIH w/ wireline to 6000'. Start pump down ops. Pump tools to 10386' w/ 210 bw. Correlate depth to csg

collars off CBL. Set Halliburton 10K flow through frac plug @ 10355'. Perforate stg #2 @ 10310', 10260', & 10210'. POOH w/ wireline. - PU plug & perf guns. Pressure test lubricator to 9200 psi. - PU plug & perf guns. Pressure test lubricator to 9200 psi. - Open well w/ 1343 psi. Break down stg #1 @ 3259 psi @ 2.7 bpm w/ 4.4 bw. Frac stg #1 w/ 6400# 100 mesh sand & 32012# 30/50 sand. Treating fluid 1822 bbls slick water. ISDP 2590 psi. FG .86. 5 min 2143 psi. 10 min 2067 psi. 15 min 2031 psi. Max treating pressure 8712 psi. Avg treating pressure 6753 psi. Max treating rate 56.9 bpm. Avg treating rate 54.2 bpm. - Open well w/ 1343 psi. Break down stg #1 @ 3259 psi @ 2.7 bpm w/ 4.4 bw. Frac stg #1 w/ 6400# 100 mesh sand & 32012# 30/50 sand. Treating fluid 1822 bbls slick water. ISDP 2590 psi. FG .86. 5 min 2143 psi. 10 min 2067 psi. 15 min 2031 psi. Max treating pressure 8712 psi. Avg treating pressure 6753 psi. Max treating rate 56.9 bpm. Avg treating rate 54.2 bpm. - Pre-job safety meeting. Pressure test frac equipment. - Pre-job safety meeting. Pressure test frac equipment. - MIRU Baker Hughes frac equipment. - RIH w/ wireline to 6000'. Start pump down ops . Pump wireline tools to 9780' w/ 200 BW. Set plug @ 9760'. Perforate stg #5 @ 9710', 9660', & 9610'. POOH w/ wireline.
Daily Cost: $0
Cumulative Cost: $138,326

6/7/2012 Day: 6 **Completion**

Rigless on 6/7/2012 - Frac stg #5. Perf & frac stages #6-10. - Pick up plug & guns. Pressure test lubricator. - Hold pre-stg-safety & test frac equipment. - Pre-Stg safety meeting. Test lines. - RIH w/ wireline to 6000'. Pump tools to 8775' w/ 143 bw. Set plug @ 8760'. PU hole & perforate stg #10 @ 8710', 8660', & 8610'. POOH w/ wireline. - Pick up plug & guns. Pressure test lubricator. - Attempt to pump into formation. Established rate of 20 bpm @ 8200 psi. Pumped 1 wb volume after walking rate to 20 bpm. Worked rate up to 24 bpm @ 8740 psi. Shut down. - Surge well and attempt to pump into formation. No luck. Open well to FB tank @ 4 bpm. Flow 1.5X bottoms up (260 bbls). - Open WH w/2321 psi. Landed ball w/159 bbls. Frac stg #9 w/ 7800# 100 mesh sand & 51493# 30/50 sand. Treating fluid 2031 bbls slick water. Max treating pressure 8462 psi. Avg treating pressure 7680 psi. Max treating rate 60 bpm. Avg treating rate 57 bpm. Screened out w/50 bbls left in flush. Approximately 2300# in wellbore. - Pre-Stg safety meeting. Test lines. Retest popoff with new N2 bottle. - RIH w/ wireline to 6010'. Pump tools to 8990' w/ 129 bw. Set plug @ 8960'. PU hole & perforate stg #9 @ 8910', 8860', & 8810'. POOH w/ wireline. BHI change out Popoff bottle. - PU plug & perf guns. Pressure test lubricator. - Resume stg 8. No leaks on WH. Started back with 100 mesh after establishing rate. Finished stg #8 w/total of 9600# 100 mesh & 52346# 30/50 sand. Treating fluid 2458 bbls slick water. ISDP 3750 psi. FG 1.06 psi/ft. 5 min 2778 psi. 10 min 2642 psi. 15 min 2573 psi. Max treating 7269 pressure psi. Avg treating pressure 6840 psi. Max treating rate 61 bpm. Avg treating rate 52.9 bpm. - Wait on torque unit to re-torque flange bolts. Several bolts on the wireline side barely hand tight. Will resume stg 8. - Open well. 2224 psi. Get to 17 bpm w/35 bw. Pump ball to plug w/ 167 bbls. Shut down after a leak started on top of the tubing head beneath lower gate valve. - Pre-stg meeting & test frac equipment. - RIH w/ wireline to 6010'. Pump tools to 9160' w/ 181 bw. Set plug. PU hole & perforate stg #8 @ 9110', 9060', & 9010'. POOH w/ wireline. - PU plug & perf guns. Pressure test lubricator. - Open well. psi. Get to 20 bpm w/ bw. Start acid. Pump 5 bbls acid. Pump ball to plug w/ bw. Pump bw. Frac stg #7 w/ 5400# 100 mesh & 26238# 30/50 sand. Treating fluid 616 bbls slick water. ISDP 3588 psi. FG .82. 5 min 2547 psi. 10 min 2435 psi. 15 min 2378 psi. Max treating 8633 pressure psi. Avg treating pressure 7226 psi. Max treating rate 57.6 bpm. Avg treating rate 48.9 bpm. - Pre-stg safety meeting & test frac equipment. - Open well & RIH w/ wireline to 6010'. Pump tools to 9360' w/ 163 bw. Set plug. PU hole & perforate stg #7 @ 9310', 9260', & 9210'. POOH w/ wireline. LD tools & drop ball on valve. - PU plug & perf guns. Pressure test lubricator. - Pressure test frac equipment. Open well. 2253 psi. Pump bw to get to rate. Frac stg #6 w/ # 100 mesh & # 30/50 sand. Treating fluid 2155 bbls slick water. ISDP 3540 psi. 5 min 2716 psi. 10 min 2553 psi. 15 min 2465 psi. Max treating pressure 8544 psi. Avg treating pressure 7496 psi. Max treating rate 54.7 bpm. Avg treating

pressure 51.6 bpm. - Change out pumps. - Open well. 2305 psi. Pump 17 bw. Go to acid. Pump 5 bbls acid. Pump ball to plug 172 bbls. Break down stg #6 @ 6290 psi @ 7.6 bpm w/ 4 bw. Displace acid to perfs. SD due to loosing pump. - Pre-stg safety meeting. Pressure test frac equipment. - RIH w/ wireline to 6000'. Pump down tools w/ 158 bw to 9555' & set plug. PU hole & perforate @ 9510', 9460', & 9410'. POOH w/ wireline. LD tools & drop ball on top valve. - PU plug & perfs gun. Fill lubricator & pressure test to 9700 psi. - Open well w/ psi. Pump 25.4 bw go to HCL. Pump 5 bbls HCL. Pump ball to plug w/ 172.5 bw. Pump 128 bbls. Reset. Pump 40 bw & go to sand. Frac stg #5 w/ 7800# 100 mesh & 52612# 30/50 sand. Treating fluid 1997 bbls slick water. ISDP 3612 psi. FG .81. 5 min 2820 psi. 10 min 2620 psi. 15 min 1579 psi. Max treating pressure 7901 psi. Avg treating pressure 7091 psi. Max treating rate 58.2 bpm. Avg treating rate 56.2 bpm. EWTR 2458 BBLS. - Open WH w/2389 psi. Landed ball w/158 bbls. Frac stg #10 w/ 5400# 100 mesh sand & 32440# 30/50 sand. Treating fluid 1541 bbls slick water. ISDP 3330 psi. FG 0.99 psi/ft. 5 min 2536 psi. 10 min 2471 psi. 15 min 2423 psi. Max treating pressure 8533 psi. Avg treating pressure 7267 psi. Max treating rate 60 bpm. Avg treating rate 49.7 bpm. Had to drop rate to 38 bpm sweep after 2nd 1.25# 30/50 stg; flushed and shut down.

Daily Cost: $0

Cumulative Cost: $206,126

6/8/2012 Day: 7 **Completion**

Rigless on 6/8/2012 - Frac Stages 11-14. - Flow well back @ approx 4 .5 bpm to recover 185 bbls - Open well. RIH w/ wireline to 6000'. Pump tools to 8569' w/ 122.7 bw. Set plug @ 8560'. PU hole w/ wireline & perforate stg #11 @ 8510'-13', 8460'-63', & 6410'-13'. POOH w/ wireline. - Open WH w/1602 psi. Pump into @ 4-9 bpm. Would not take fluid @ 9 bpm. Pumped 533 bbls. - SI well. Pressure test BHI lines. - Flow back well to pit. 200 bbls. - RIH w/WL to 6010'. Begin pump down operations @ 6 bpm 8800 psi; 15 fpm. Walk rate up to 7 bpm 9200 psi; 30 fpm. Pressure climbed to 9475 psi and dropped rate down to 6.5 bpm. Stalled out WL @ 6860'. Shut down BHI. Pumped 237 bbls. POOH. Minor wear on plug. Will pick up new plug & guns for next run. - Pick up plug & guns. Test lubricator. - Open WH w/ 1806 psi. Pumped in between 5 & 10 bpm riding 9300 psi. Shut down after 646 bbls. Final pump in pressure 9300 psi @ 7.4 bpm. - Pre-Stg safety meeting. Test lines. - Open well to pit. Replace inline densometer. SI well. Flowed back 230 bbls. - Open well. 2306 psi. Pump 5 bbls acid. Pump ball to plug w/ 160 bbls. Frac stg #14 w/ 3600# 100 mesh sand & 15369# 30/50 sand. Treating fluid 942 bbls slick water. Max treating pressure 9390 psi. Avg treating pressure 7287 psi. Max treating rate 60 bpm. Avg treating rate 56 bpm. Screened out w/first 1.25# 30/50 on formation. 14000# in formation 4200# left in WB. - Pre-stg safety meeting. PT BHI lines. - RIH w/WL to 8005'. Set plug @ 7960'. Perf 7910', 7860', & 7810'. - Pick up plug & guns. PT lubricator. - Open well. 2160 psi. Pump 1.9 bw to get to rate of 9 bpm. Pump 5 bbls acid. Pump ball to plug w/ bw. Did not see ball hit. Did not see break. Pump 408 bw. Reset. Pump 35 bw. Frac stg #13 w/ 7800# 100 mesh sand & 52695# 30/50 sand. Treating fluid 2084 bbls slick water. ISDP 4181 psi. FG .95. 5 min 2731 psi. 10 min 2578 psi. 15 min 2494 psi. Max treating pressure 9357 psi. Avg treating pressure 7658 psi. Max treating rate52.1 bpm. Avg treating rate 42.9 bpm. - Pre-stg safety meeting. Test frac equipment. - RIH w/ wireline to 6000'. Pump tools to 8174' w/ 103 bw. PU hole & set plug @ 8160'. Perforate stg #13 @ 8110'-13', 8060'-63', & 8010'-13'. POOH w/ wireline. - PU plug & perf guns. Pressure test lube. - Open well start pumping @ 10 bpm. Flush well bore w/ 385 bw. - Open well to pit. Flowback 277 bbls. - Pump 3 bbls & pressured up. - Test frac equipment. - Open well to pit @ approx 6.5 bpm to recover 293 bbls. BH re-packed pump during flow back. - Open well. 2124 psi. Pump 28 bbls @ bpm. Pressured out @ 9600 psi. - Pre-stg safety meeting & test frac equipment. - RIH w/ wireline to 6000'. Pump tools to 8359'. PU hole & set plug @ 8360'. PU hole & perf stg #12 @ 8310'-13, 8260'-63', & 8210'-13'. POOH w/ wireline. - PU plug & perf guns. Test lubricator. - Open well. 2199 psi. Pump 8.1 bw to get rate of b7.9 bpm. Pump 5 bbls acid. Pump ball to plug w/ 150 bw. See ball seat. Break down stg #11 @ 6590 psi @ 11.5 bpm. Frac stg #11 w/ 7800# 100 mesh & 51809# 30/50 sand. Treating fluid

1995 bbls slick water. ISDP 3840 psi. FG .89. 5 min 2895 psi. 10 min 2722 psi. 15 min 2627 psi. Max treating pressure 8025 psi. Avg treating pressure 7057 psi. Max treating rate 55.6 bpm. Avg treating rate 52.7 bpm. - Pre-stg safety meeting. Cap well & test frac equipment. - Open well. 2340 psi. Pump 8 bw. Pump 5 bbls acid. Pump ball to plug w/ 154 bw. See ball. Break @ 5068 psi @ 8.1 bpm. Reset @ 235 bbls. Pump 5400# 100 mesh & 16648# 30/50 sand. Screen out stg #12 after first 1.25# 30/50 sand. Treating fluid 543 bbls slick water.
Daily Cost: $0
Cumulative Cost: $206,726

6/9/2012 Day: 8 **Completion**

Rigless on 6/9/2012 - Flowback & flush stg #14. Frac & perforate stgs #15-19. Perforate Stg #20. - Open well. RIH w/ wireline to 6000'. Pump tools to 6780' w/ 31 bw. PU hole & set plug @ 6760'. PU & perforate stg #20 @ 6710'-13', 6660'-63', & 6610'-13'. POOH w/ wireline. - PU plug & perf guns. Test lubricator. - Open well. 2230 psi. Pump 5 bbls 15% HCL. Pump ball to plug w/ 135 bbls. See ball. Pump 100 bbls to get rate. Reset @ 245 bbls. Frac stg #19 w/ 7800# 100 mesh & 50609# 30/50 sand. Treating fluid 2156 bbls slick water. ISDP 3608 psi. FG 1.04 psi/ft. 5 min 2609 psi. 10 min 2508 psi. 15 min 2444 psi. Max treating pressure 7606 psi. Avg treating pressure 7196 psi. Max treating rate 61 bpm. Avg treating rate 59.2 bpm. - Pre-stg safety meeting. Test frac equipment. - Open well. RIH w/ wireline to 6000'. Pump tools to 6980' w/ 57 bw. PU hole & set plug @ 6960'. PU & perforate stg #19 @ 6910'-13', 6860'-63', & 6810'-13'. POOH w/ wireline. - Recorded wind gusts @ 32 mph. PU lubricator, plug, & guns. Test lubricator. - Wind gusts clocked @ over 60 mph on location with sustained 35 mph. Wait to pick up tools for wind to die down. - Open well. 2260 psi. Pump 5 bbls 15% HCL. Pump ball to plug w/ 136 bbls. See ball. Pump 90 bbls to get rate. Reset @ 226 bbls. Frac stg #18 w/ 5400# 100 mesh & 18442# 30/50 sand. Treating fluid 1150 bbls slick water. ISDP 2983 psi. FG .91 psi/ft. 5 min 2518 psi. 10 min 2430 psi. 15 min 2388 psi. Max treating pressure 9084 psi. Avg treating pressure 7390 psi. Max treating rate 56 bpm. Avg treating rate 54.2 bpm. Cut sand during 4th 1# 30/50 stg. Dropped rate during flush to 40 bpm. Erratic pressure fluctuations after sand clear of wellbore. Pumped 10 bpm before shutting down @ 5900 psi. Lay down lubricator & crane due to wind. - Pre-stg safety meeting. Test frac equipment. - Open well. RIH w/ wireline to 6000'. Pump tools to 7180' w/ 50 bw. PU hole & set plug @ 7110'. PU & perforate stg #18 @ 7110'-13', 7060'-63', & 7010'-13'. POOH w/ wireline. - PU plug & perf guns. Test lubricator. - Open well. 2260 psi. Pump 5 bbls 15% HCL. Pump ball to plug w/ 139 bbls. See ball. Break @ 6927 psi @ 8.8 bpm. Pump 63 bbls to get rate. Frac stg #17 w/ 7800# 100 mesh & 52250# 30/50 sand. Treating fluid 2104 bbls slick water. ISDP 3690 psi. FG ..94. 5 min 2596 psi. 10 min 2466 psi. 15 min 2412 psi. Max treating pressure 7898 psi. Avg treating pressure 7011 psi. Max treating rate 54 bpm. Avg treating rate 53.7 bpm. - Pre-stg safety meeting. Test frac equipment. - Open well. RIH w/ wireline to 6000'. Pump tools to 7392' w/ 51 bw. PU hole & set plug @ 7360'. PU & perforate stg #17 @ 7310'-13', 7260'-63', & 7210'-13'. POOH w/ wireline. - PU plug & perf guns. Test lubricator. - Open well. 2275 psi. Start 5 bbls 15% HCL. Pump ball to plug w/ 142 bbls. See ball. Break @ 6508 psi @ 8.8 bpm. Pump 63 bbls to get to rate. Frac stg #16 w/ 7800# 100 mesh & 52545# 30/50 sand. Treating fluid 2090 bbls slick water. ISDP 3356 psi. FG .88. 5 min 2502 psi. 10 min 2422 psi. 15 min 2373 psi. Max treating presssure 8200 psi. Avg treating pressure 6740 psi. Max treating rate 55.4 bpm. Avg treating rate 54.1 bpm. - Pre-stg safety meeting. Pressure test frac equipment. - RIH w/ wireline to 6000'. Start pump down. Pump tools to 7574'. PU hole & set plug @ 7560'. PU hole & perforrate stg #16 @ 7510'-13', 7460'-63', & 7410'-13'. POOH w/ wireline. LD tools. Drop ball & cap wellhead. - PU plug & perf guns. Test lubricator. - Open well. 2520 psi. Pump 5 bbls 15% HCL. Pump ball to plug w/ 145 bw. See ball. Break @ 5705 psi. Pump 86 bw. Frac well w/ 7800# 100 mesh & 53197# 30/50 sand. Treating fluid 1698 bbls slick water. ISDP 3932 psi. FG .95 5 min 2783 psi. 10 min 1642 psi. 15 min 2580 psi. Max treating pressure psi. Avg treating pressure psi. Max treating rate bpm. Avg treating rate bpm. - Pre-stg safety meeting. Test frac equipment. - Open well & RIH w/ wireline. Start pump down @ 6000'. Pump tools to 7776' w/ 80 bw. POOH w/ wireline to

7741' & set plug @ 7765'. Perforate stg #15 @ 7710'-13', 7660'-63', & 7610'-13'. POOH w/ wireline. Lay down tools. - PU plug & perf guns. Test lubricator. - Pump up to 9450 psi. Surge well back to 1000 psi. Start pumping again. Was able to pump into. Pump 1240 bw for well bore clean up. - Attempt to pump into w/ out success. Wait on orders from engineer. - Open well to pit. Flow back 200 bbls. - Attempt to pump into w/ out success. - Open to pit for flowback. Flowback 270 bbls. - Re-attempt to flush pipe. Pumped 8 bw & pressured out @ 9200 psi. - Flowback to pit. 200 bbls.
Daily Cost: $0
Cumulative Cost: $243,826

6/10/2012 Day: 9 **Completion**

Rigless on 6/10/2012 - Farc stg # 20 RD frac equipment & WLT. Open well thrue flowback equipment on 12/64" choke. Flowed back 1941 total bbls w/ trace of oil - Open well to flowback tank on 12/64" choke. Rig down Baker Hughes. Flow back 1941 bbls of 43487 bbls w/ trace of oil. Pressure @ 650 psi. Flowing @ .75 bpm on 12/64 choke. - Pre-Stg Safety meeting. Test Lines. Wait on 2 loads of water. - Open well. 2200 psi. Pump 5 bbls 15% HCL. Pump ball to plug w/ 130 bbls. Pump 72 bbls to get rate. Reset @ 202 bbls. Frac stg #20 w/ 3600# 100 mesh & 9989# 30/50 sand. Treating fluid 628 bbls slick water. Screened out on second 1# 30/50 stg. Max treating pressure 7941 psi. Avg treating pressure 6758 psi. Max treating rate 60 bpm. Avg treating rate 59 bpm. EWTR 42987 BBLS
Daily Cost: $0
Cumulative Cost: $1,736,093

6/12/2012 Day: 10 **Completion**

Rigless on 6/12/2012 - Flow well on 12/64" choke to recover 3163 total bbls. - Flowback 3163 total bbls. Light oil. No sand. EWTR 40324 bbls
Daily Cost: $0
Cumulative Cost: $1,743,643

6/13/2012 Day: 11 **Completion**

Rigless on 6/13/2012 - Flowback 731 bbls last 24 hrs. EWTR 39593 BBLS. - Flowback a total 3894 bbls. EWTR 39593 BBLS.
Daily Cost: $0
Cumulative Cost: $1,767,319

6/14/2012 Day: 12 **Completion**

Rigless on 6/14/2012 - Flow back a total of 4366 bbls. 472 bbls in last 24 hrs. - Flow back a total of 4366 bbls. 472 bbls in last 24 hrs. EWTR 39121 BBLS
Daily Cost: $0
Cumulative Cost: $1,773,319

6/15/2012 Day: 13 **Completion**

WWS #5 on 6/15/2012 - MIRUSU WWS #5. TIH picking up tbg to tag @ 6359'. RU power swivel - MU btm hole assembly @ follows, 4 blade mill, bit sub, 2 - R2 style string float, 1 jt 2 3/8" PH-6 tbg, RN nipple, 1 jt, R-nipple. TIH w/ 192 jts tbg (circulate well every 40 jts). MU R-nipple. Continue TIH w/ 12 jts. Tagged at 6359'. RU power swivel. - Attempt to pressure test

lower set pipe rams w/out success. Pressure test upper set pipe rams to 4500 psi. Good test. Pressure test Hy-Drill bag to 3000 psi. Good test wait on rams from Wesatherford for 2 hrs. Pressure test lower rams to 4500 psi. Good test. - Pressure test flow back iron. - Crew travel. Pre-job safety meeting. Open well up to flow back tanks. - MIRUSU WWS #5. - RD flow back iron to make room to spot rig. RU flow back iron. - NU Scheffer BOP, flow cross, Hy-Drill, & Washington style wash head.
Daily Cost: $0
Cumulative Cost: $1,787,804

6/16/2012 Day: 14 **Completion**

WWS #5 on 6/16/2012 - Clean out sand between plugs & drill out 10 plugs of 19. - - Tag sand & clean out to plug #1 @ 6359'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 8560'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 8360'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 8160' - Drill out plug & pump sweep. - Clean out sand to next plug @ 7960' - Drill out plug & pump sweep. - Clean out sand to next plug @ 7765'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 7560'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 7360'. - Drill out plug & pump sweep. - Clean out sand to next plug @ 7160'. - Drill out plug & pump sweep. - Tag sand. Clean out sand to next plug @ 6958'. - Pump sweep & circulate btms up. - Drill out plug. - Clean out sand to next plug @ 8760'.
Daily Cost: $0
Cumulative Cost: $1,837,031

6/17/2012 Day: 15 **Completion**

WWS #5 on 6/17/2012 - Drill out remaining plugs. Clean out to PBTD - Clean out sand to next plug @ 9360'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 9345'. 15' high. Drilll out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 9160'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 8946'. 14' High. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 8960'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug #11 @ 8742'. 18' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Pump first polymer sweep & circulate to surface - Clean out sand to PBTD @ 10421'. - Tag plug @ 10352'. 8' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. Avg wt on bit 4000#. Avg pump pressure 1700 psi. Avg swivel torque 2300 ft lbs. - Clean out sand to next plug @ 10360'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 10142'. 18' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 10160'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 9952'. 8' high. Drill out plug & pump sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 9960'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 9742'. 18' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 9760'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 9541'. 19' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Clean out sand to next plug @ 9560'. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#. - Tag plug @ 9142'. 18' high. Drill out plug & pump polymer sweep. String wt 30000#. Pick up wt 34000#. Slack off wt 20000#.
Daily Cost: $0
Cumulative Cost: $1,857,841

6/18/2012 Day: 16 **Completion**

WWS #5 on 6/18/2012 - Kill well. TOOH laying down workstring. Wireline PKR. Test BOP. Start TIH w/ production. - X-out pipe rams. - TIH picking up tbg. Get in hole w/ tbg detail @ follows. Weatherford on/off tool, 4' pup jt, Central Hydraulic 3 1/2" pump cavity, 4' pup jt, 191 jts tbg, 2' pup jt, 8' pup jt & 1 jt 2 7/8" J-55 tbg. MU tbg hanger & attempt to land. Could not get hanger through 5 to 10K X-over spool. - Start displacing oil out of tbg. Circulate oil out w/ hot oil truck. Pipe rams started to leak while circulating out oil. - Start displacing oil out of tbg. Circulate oil out w/ hot oil truck. Pipe rams started to leak while circulating out oil. - MU Central Hydraulic jet pump assembly @ follows. Weatherford retrieving head, 4' x 2 7/8" pup jt, Central Hydraulic 3 1/2" jet pump assembly, 4' pup jt & 8jts tbg. - MU Central Hydraulic jet pump assembly @ follows. Weatherford retrieving head, 4' x 2 7/8" pup jt, Central Hydraulic 3 1/2" jet pump assembly, 4' pup jt & 8jts tbg. - Ru Weatherford test unit. Test BOP pipe rams. - Ru Weatherford test unit. Test BOP pipe rams. - TOOH laying down 2 3/8" PH-6 workstring filling csg w/ brine wtr on TOOH. Get out of hole w/ tbg. LD btm hole assembly. ND stripping head. NU The Perforators wireline flang. PU Weatherford 5 1/2" AS-1X PKR w/ wireline re-entry guide pump out ceramic disk, 4' pup joint, XN nipple,& 4' pup below pkr. RIH w/ wireline & set PKR @ 5981'. POOH w/ wireline. - TOOH laying down 2 3/8" PH-6 workstring filling csg w/ brine wtr on TOOH. Get out of hole w/ tbg. LD btm hole assembly. ND stripping head. NU The Perforators wireline flang. PU Weatherford 5 1/2" AS-1X PKR w/ wireline re-entry guide pump out ceramic disk, 4' pup joint, XN nipple,& 4' pup below pkr. RIH w/ wireline & set PKR @ 5981'. POOH w/ wireline. - Circulate well w/ 250 bbls 10# brine. Well still gassy & giving up light oil. Circulate w/ additional 100 bbls brine. - Circulate well w/ 250 bbls 10# brine. Well still gassy & giving up light oil. Circulate w/ additional 100 bbls brine. - Well flowing @ 1.5 bw @ 300 psi. Continue circulate well while waiting on brine wtr. - Well flowing @ 1.5 bw @ 300 psi. Continue circulate well while waiting on brine wtr. - Circulate well clean w/ 630 bbls water w/ 2 - 10 bbls polymer sweeps. 1st @ 0 bw. Second @ 315 bw. - Circulate well clean w/ 630 bbls water w/ 2 - 10 bbls polymer sweeps. 1st @ 0 bw. Second @ 315 bw. - Pump out burst disc @ 2400 psi. Drop standing valve & pressure test pump cavity & tbg to1000 psi. RDMOSU WWS #5. PWOP @ 9:30 PM EWTR 38621 BBLS - Pump out burst disc @ 2400 psi. Drop standing valve & pressure test pump cavity & tbg to1000 psi. RDMOSU WWS #5. PWOP @ 9:30 PM EWTR 38621 BBLS - ND Stripping head, Hy-Drill, flow cross, 5 to 10K X-over, & Schaffer BOP. Land tbg w/ 15000# compression. NU B-1 adapter flange. MU Jet Pump production tree. - ND Stripping head, Hy-Drill, flow cross, 5 to 10K X-over, & Schaffer BOP. Land tbg w/ 15000# compression. NU B-1 adapter flange. MU Jet Pump production tree. - TIH picking up tbg. Get in hole w/ tbg detail @ follows. Weatherford on/off tool, 4' pup jt, Central Hydraulic 3 1/2" pump cavity, 4' pup jt, 191 jts tbg, 2' pup jt, 8' pup jt & 1 jt 2 7/8" J-55 tbg. MU tbg hanger & attempt to land. Could not get hanger through 5 to 10K X-over spool. - X-out pipe rams.
Daily Cost: $0
Cumulative Cost: $1,890,101

6/27/2012 Day: 18 **Completion**

Rigless on 6/27/2012 - Cost update - Re-updated costs - Cost update - Cost update - Re-updated costs
Daily Cost: $0
Cumulative Cost: $2,229,116

Pertinent Files: Go to File List

Weatherford®
Weatherford International Ltd.
2000 Oil Drive
Casper, WY 82604
Tel. 307-268-7900 Fax 307-235-3958

North Dakota Industrial Commission
Department of Mineral Resources
Oil & Gas Division
600 East Boulevard Avenue
Department 405
Bismarck, ND 58505-0840

Date: OCTOBER 3, 2012

Attention:

NEWFIELD EXPLORATION CO
GMB 2A-32T-8-17H
DUCHESNE COUNTY, UT

Attached to this letter is a copy of the surveys taken by Precision Energy Services, a Weatherford International Ltd. company, MWD equipment on the subject well. The surveys from 342' to 10425' MD represent, to the best of our knowledge, a true and accurate survey of the wellbore at the time the survey was run

Tracy Williams
Well Planning Department

Tracy Williams
Digitally signed by Tracy Williams
DN: cn=Tracy Williams, o=Drilling Services, ou=Weatherofrd, email=tracy.williams@weatherford.com, c=US
Date: 2012.10.03 13:21:59 -06'00'

Cc:

RECEIVED: May. 02, 2013

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well GMB 2A-32T-8-17H
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Site:	GMB 2A-32T-8-17H	**MD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Well:	GMB 2A-32T-8-17H	**North Reference:**	True
Wellbore:	GMB 2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Design:	GMB 2A-32T-8-17H	**Database:**	EDM 5000.1 Single User Db

Project DUCHESNE COUNTY, UT

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site GMB 2A-32T-8-17H

Site Position:		**Northing:**	7,200,761.24 usft	**Latitude:**	40° 4' 43.190 N
From:	Lat/Long	**Easting:**	2,051,966.26 usft	**Longitude:**	110° 1' 44.920 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	0.94 °

Well GMB 2A-32T-8-17H

Well Position	**+N/-S**	0.00 ft	**Northing:**	7,200,761.24 usft	**Latitude:**	40° 4' 43.190 N
	+E/-W	0.00 ft	**Easting:**	2,051,966.26 usft	**Longitude:**	110° 1' 44.920 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,211.00 ft

Wellbore GMB 2A-32T-8-17H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2011	5/4/2012	11.23	65.79	52,153

Design GMB 2A-32T-8-17H

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	204.19

Survey Program **Date** 10/3/2012

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
342.00	10,485.00	Survey #1 (GMB 2A-32T-8-17H)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
342.00	0.13	192.23	342.00	-0.38	-0.08	0.38	0.04	0.04	0.00
464.00	1.20	206.30	463.99	-1.66	-0.68	1.79	0.88	0.88	11.53
555.00	0.19	211.61	554.98	-2.64	-1.18	2.89	1.11	-1.11	5.84
646.00	0.32	242.89	645.98	-2.89	-1.48	3.24	0.20	0.14	34.37
736.00	0.13	285.48	735.98	-2.97	-1.81	3.45	0.27	-0.21	47.32
827.00	0.19	307.86	826.98	-2.85	-2.02	3.43	0.09	0.07	24.59
947.00	0.13	10.98	946.98	-2.60	-2.16	3.25	0.15	-0.05	52.60
1,038.00	0.13	289.98	1,037.98	-2.46	-2.23	3.16	0.19	0.00	-89.01
1,129.00	0.06	261.98	1,128.98	-2.43	-2.38	3.19	0.09	-0.08	-30.77
1,219.00	0.19	287.36	1,218.98	-2.39	-2.57	3.24	0.15	0.14	28.20
1,310.00	1.38	209.36	1,309.97	-3.31	-3.25	4.35	1.49	1.31	-85.71
1,401.00	0.31	291.11	1,400.96	-4.17	-4.01	5.45	1.51	-1.18	89.84

RECEIVED: May. 02, 2013

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	Local Co-ordinate Reference:	Well GMB 2A-32T-8-17H
Project:	DUCHESNE COUNTY, UT	TVD Reference:	WELL @ 5229.00ft (CAPSTAR 328)
Site:	GMB 2A-32T-8-17H	MD Reference:	WELL @ 5229.00ft (CAPSTAR 328)
Well:	GMB 2A-32T-8-17H	North Reference:	True
Wellbore:	GMB 2A-32T-8-17H	Survey Calculation Method:	Minimum Curvature
Design:	GMB 2A-32T-8-17H	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,491.00	0.31	300.98	1,490.96	-3.96	-4.45	5.43	0.06	0.00	10.97
1,582.00	0.31	281.73	1,581.96	-3.78	-4.90	5.46	0.11	0.00	-21.15
1,672.00	0.06	299.98	1,671.96	-3.71	-5.18	5.51	0.28	-0.28	20.28
1,763.00	0.13	297.73	1,762.96	-3.64	-5.31	5.49	0.08	0.08	-2.47
1,854.00	0.38	44.61	1,853.96	-3.37	-5.19	5.21	0.48	0.27	117.45
1,944.00	0.25	181.86	1,943.96	-3.36	-4.99	5.11	0.65	-0.14	152.50
2,035.00	0.63	184.36	2,034.95	-4.05	-5.04	5.76	0.42	0.42	2.75
2,126.00	0.75	192.48	2,125.95	-5.14	-5.20	6.82	0.17	0.13	8.92
2,216.00	0.69	196.48	2,215.94	-6.23	-5.48	7.93	0.09	-0.07	4.44
2,307.00	0.88	197.98	2,306.93	-7.42	-5.85	9.17	0.21	0.21	1.65
2,398.00	1.19	207.48	2,397.92	-8.92	-6.51	10.81	0.39	0.34	10.44
2,488.00	1.25	208.48	2,487.90	-10.62	-7.41	12.72	0.07	0.07	1.11
2,579.00	1.19	197.11	2,578.87	-12.39	-8.16	14.64	0.27	-0.07	-12.49
2,669.00	1.19	182.73	2,668.86	-14.22	-8.48	16.44	0.33	0.00	-15.98
2,759.00	1.25	173.86	2,758.84	-16.13	-8.42	18.16	0.22	0.07	-9.86
2,850.00	1.31	172.86	2,849.81	-18.15	-8.18	19.90	0.07	0.07	-1.10
2,940.00	1.44	173.48	2,939.79	-20.29	-7.92	21.76	0.15	0.14	0.69
3,031.00	1.63	172.36	3,030.75	-22.71	-7.62	23.84	0.21	0.21	-1.23
3,122.00	1.50	185.98	3,121.72	-25.18	-7.57	26.07	0.43	-0.14	14.97
3,212.00	1.75	164.61	3,211.68	-27.67	-7.33	28.25	0.72	0.28	-23.74
3,303.00	0.75	167.23	3,302.66	-29.59	-6.83	29.79	1.10	-1.10	2.88
3,393.00	0.50	149.10	3,392.66	-30.50	-6.50	30.49	0.35	-0.28	-20.14
3,484.00	0.50	175.11	3,483.65	-31.24	-6.26	31.06	0.25	0.00	28.58
3,575.00	0.50	190.86	3,574.65	-32.03	-6.30	31.80	0.15	0.00	17.31
3,666.00	0.69	198.11	3,665.64	-32.94	-6.55	32.73	0.22	0.21	7.97
3,756.00	0.56	193.86	3,755.64	-33.88	-6.82	33.70	0.15	-0.14	-4.72
3,847.00	0.69	206.48	3,846.63	-34.80	-7.17	34.69	0.21	0.14	13.87
3,937.00	0.75	210.48	3,936.63	-35.79	-7.71	35.81	0.09	0.07	4.44
4,028.00	0.88	203.61	4,027.62	-36.95	-8.30	37.10	0.18	0.14	-7.55
4,119.00	1.00	192.86	4,118.61	-38.36	-8.75	38.58	0.23	0.13	-11.81
4,209.00	1.06	202.73	4,208.59	-39.90	-9.25	40.18	0.21	0.07	10.97
4,300.00	1.25	207.73	4,299.57	-41.55	-10.04	42.02	0.24	0.21	5.49
4,390.00	1.50	213.11	4,389.55	-43.41	-11.14	44.16	0.31	0.28	5.98
4,480.00	0.88	208.98	4,479.53	-45.00	-12.11	46.01	0.70	-0.69	-4.59
4,570.00	1.00	223.86	4,569.51	-46.17	-12.99	47.44	0.30	0.13	16.53
4,661.00	1.31	225.36	4,660.50	-47.47	-14.28	49.16	0.34	0.34	1.65
4,752.00	1.19	231.48	4,751.47	-48.79	-15.76	50.97	0.20	-0.13	6.73
4,842.00	1.13	232.73	4,841.46	-49.91	-17.20	52.58	0.07	-0.07	1.39
4,933.00	1.25	228.23	4,932.44	-51.12	-18.65	54.27	0.17	0.13	-4.95
5,024.00	1.25	238.48	5,023.42	-52.30	-20.24	56.00	0.25	0.00	11.26
5,114.00	1.56	248.73	5,113.39	-53.25	-22.22	57.68	0.44	0.34	11.39
5,205.00	1.25	197.48	5,204.36	-54.65	-23.67	59.55	1.37	-0.34	-56.32
5,296.00	1.00	236.36	5,295.35	-56.04	-24.63	61.21	0.86	-0.27	42.73
5,386.00	0.69	272.36	5,385.34	-56.45	-25.83	62.08	0.67	-0.34	40.00
5,427.00	0.63	276.23	5,426.34	-56.41	-26.30	62.24	0.18	-0.15	9.44
5,523.00	0.81	278.86	5,522.33	-56.25	-27.49	62.58	0.19	0.19	2.74
5,568.00	2.44	156.98	5,567.32	-57.09	-27.43	63.31	6.55	3.62	-270.84
5,614.00	10.81	156.10	5,612.97	-61.94	-25.30	66.87	18.20	18.20	-1.91
5,659.00	16.31	163.10	5,656.70	-71.85	-21.75	74.45	12.73	12.22	15.56
5,704.00	18.94	162.18	5,699.58	-84.85	-17.68	84.65	5.88	5.84	-2.04
5,750.00	22.16	163.04	5,742.65	-100.26	-12.86	96.73	7.03	7.00	1.87
5,794.00	22.94	156.98	5,783.29	-116.09	-7.08	108.81	5.57	1.77	-13.77
5,840.00	25.00	158.35	5,825.32	-133.38	0.01	121.67	4.64	4.48	2.98
5,885.00	30.38	163.73	5,865.16	-153.16	6.71	136.97	13.17	11.96	11.96

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Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

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Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Site:	GMB 2A-32T-8-17H	**MD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Well:	GMB 2A-32T-8-17H	**North Reference:**	True
Wellbore:	GMB 2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Design:	GMB 2A-32T-8-17H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,930.00	32.38	166.86	5,903.58	-175.82	12.64	155.21	5.73	4.44	6.96
5,964.00	34.06	167.61	5,932.02	-193.99	16.75	170.10	5.09	4.94	2.21
5,975.00	34.19	168.48	5,941.13	-200.02	18.03	175.08	4.59	1.18	7.91
6,005.00	35.75	169.36	5,965.71	-216.90	21.33	189.12	5.46	5.20	2.93
6,035.00	39.19	169.48	5,989.52	-234.84	24.68	204.11	11.47	11.47	0.40
6,065.00	43.13	170.61	6,012.10	-254.28	28.09	220.45	13.36	13.13	3.77
6,096.00	47.06	171.61	6,033.98	-275.97	31.47	238.85	12.88	12.68	3.23
6,126.00	51.44	172.23	6,053.56	-298.46	34.66	258.07	14.68	14.60	2.07
6,157.00	55.44	171.40	6,072.02	-323.11	38.21	279.09	13.08	12.90	-2.68
6,187.00	58.19	171.23	6,088.44	-347.92	42.00	300.18	9.18	9.17	-0.57
6,217.00	61.81	173.48	6,103.44	-373.67	45.45	322.25	13.70	12.07	7.50
6,247.00	64.75	172.61	6,116.92	-400.26	48.70	345.18	10.14	9.80	-2.90
6,276.00	67.63	175.48	6,128.63	-426.65	51.44	368.12	13.44	9.93	9.90
6,307.00	69.44	175.36	6,139.98	-455.40	53.74	393.41	5.85	5.84	-0.39
6,338.00	70.38	176.61	6,150.63	-484.44	55.78	419.07	4.85	3.03	4.03
6,368.00	73.25	176.61	6,159.99	-512.89	57.47	444.33	9.57	9.57	0.00
6,398.00	77.00	176.61	6,167.69	-541.83	59.18	470.03	12.50	12.50	0.00
6,428.00	80.38	176.48	6,173.57	-571.19	60.95	496.08	11.27	11.27	-0.43
6,458.00	83.19	176.73	6,177.86	-600.83	62.71	522.40	9.40	9.37	0.83
6,488.00	85.88	176.48	6,180.71	-630.64	64.48	548.86	9.00	8.97	-0.83
6,519.00	88.25	177.23	6,182.30	-661.55	66.18	576.37	8.02	7.65	2.42
6,549.00	89.38	177.25	6,182.92	-691.50	67.62	603.10	3.77	3.77	0.07
6,579.00	89.51	177.25	6,183.21	-721.47	69.06	629.85	0.43	0.43	0.00
6,600.00	89.14	177.06	6,183.46	-742.44	70.10	648.55	1.98	-1.76	-0.90
6,646.00	89.32	177.76	6,184.08	-788.39	72.18	689.62	1.57	0.39	1.52
6,691.00	89.75	178.06	6,184.44	-833.36	73.82	729.96	1.17	0.96	0.67
6,736.00	90.31	179.17	6,184.42	-878.34	74.91	770.56	2.76	1.24	2.47
6,781.00	90.62	179.77	6,184.05	-923.34	75.33	811.43	1.50	0.69	1.33
6,827.00	90.37	179.78	6,183.66	-969.34	75.51	853.32	0.54	-0.54	0.02
6,872.00	91.36	179.34	6,182.98	-1,014.33	75.85	894.22	2.41	2.20	-0.98
6,917.00	91.67	178.93	6,181.79	-1,059.31	76.53	934.97	1.14	0.69	-0.91
6,963.00	91.79	177.98	6,180.40	-1,105.27	77.77	976.39	2.08	0.26	-2.07
7,008.00	92.10	176.91	6,178.87	-1,150.20	79.78	1,016.56	2.47	0.69	-2.38
7,053.00	90.93	177.72	6,177.68	-1,195.13	81.88	1,056.68	3.16	-2.60	1.80
7,096.00	91.17	178.67	6,176.89	-1,238.11	83.24	1,095.33	2.28	0.56	2.21
7,144.00	91.60	179.89	6,175.73	-1,286.09	83.84	1,138.85	2.69	0.90	2.54
7,189.00	92.65	181.33	6,174.06	-1,331.05	83.36	1,180.06	3.96	2.33	3.20
7,235.00	92.96	182.93	6,171.81	-1,376.96	81.65	1,222.65	3.54	0.67	3.48
7,280.00	93.00	183.65	6,169.47	-1,421.83	79.08	1,264.63	1.60	0.09	1.60
7,325.00	92.84	184.86	6,167.18	-1,466.64	75.74	1,306.88	2.71	-0.36	2.69
7,370.00	91.59	186.29	6,165.44	-1,511.40	71.37	1,349.49	4.22	-2.78	3.18
7,415.00	90.80	187.89	6,164.50	-1,556.04	65.82	1,392.49	3.96	-1.76	3.56
7,461.00	90.31	189.71	6,164.06	-1,601.49	58.78	1,436.84	4.10	-1.07	3.96
7,506.00	91.97	191.44	6,163.16	-1,645.72	50.53	1,480.56	5.33	3.69	3.84
7,551.00	92.59	192.96	6,161.37	-1,689.67	41.03	1,524.55	3.65	1.38	3.38
7,597.00	90.92	193.78	6,159.96	-1,734.40	30.39	1,569.71	4.04	-3.63	1.78
7,642.00	91.41	195.99	6,159.05	-1,777.87	18.84	1,614.10	5.03	1.09	4.91
7,687.00	90.62	196.94	6,158.25	-1,821.02	6.09	1,658.69	2.75	-1.76	2.11
7,733.00	91.30	198.56	6,157.48	-1,864.82	-7.94	1,704.39	3.82	1.48	3.52
7,778.00	90.93	200.81	6,156.60	-1,907.18	-23.09	1,749.24	5.07	-0.82	5.00
7,823.00	91.11	202.16	6,155.80	-1,949.05	-39.57	1,794.18	3.03	0.40	3.00
7,868.00	91.54	203.59	6,154.76	-1,990.50	-57.06	1,839.15	3.32	0.96	3.18
7,895.00	91.61	205.32	6,154.02	-2,015.06	-68.23	1,866.14	6.41	0.26	6.41
7,940.00	92.03	206.39	6,152.59	-2,055.54	-87.84	1,911.10	2.55	0.93	2.38

RECEIVED: May. 02, 2013

Weatherford

Weatherford International Ltd.

Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well GMB 2A-32T-8-17H
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Site:	GMB 2A-32T-8-17H	**MD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Well:	GMB 2A-32T-8-17H	**North Reference:**	True
Wellbore:	GMB 2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Design:	GMB 2A-32T-8-17H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,986.00	92.47	207.60	6,150.78	-2,096.49	-108.71	1,957.01	2.80	0.96	2.63
8,030.00	94.14	208.79	6,148.25	-2,135.21	-129.46	2,000.83	4.66	3.80	2.70
8,075.00	94.19	210.04	6,144.98	-2,174.30	-151.50	2,045.52	2.77	0.11	2.78
8,121.00	93.77	211.40	6,141.79	-2,213.75	-174.94	2,091.11	3.09	-0.91	2.96
8,166.00	92.82	212.21	6,139.20	-2,251.93	-198.62	2,135.64	2.77	-2.11	1.80
8,211.00	92.84	212.25	6,136.98	-2,289.95	-222.59	2,180.14	0.10	0.04	0.09
8,257.00	93.27	212.10	6,134.53	-2,328.83	-247.05	2,225.63	0.99	0.93	-0.33
8,302.00	92.47	212.56	6,132.27	-2,366.81	-271.09	2,270.12	2.05	-1.78	1.02
8,347.00	93.21	212.29	6,130.04	-2,404.74	-295.18	2,314.60	1.75	1.64	-0.60
8,392.00	92.72	212.27	6,127.72	-2,442.74	-319.18	2,359.09	1.09	-1.09	-0.04
8,438.00	92.10	212.43	6,125.78	-2,481.56	-343.78	2,404.58	1.39	-1.35	0.35
8,483.00	91.30	212.18	6,124.45	-2,519.58	-367.82	2,449.11	1.86	-1.78	-0.56
8,528.00	92.22	212.84	6,123.07	-2,557.51	-391.99	2,493.62	2.52	2.04	1.47
8,573.00	92.53	211.64	6,121.20	-2,595.54	-415.97	2,538.13	2.75	0.69	-2.67
8,619.00	92.66	210.19	6,119.12	-2,634.96	-439.58	2,583.77	3.16	0.28	-3.15
8,664.00	91.94	212.39	6,117.31	-2,673.38	-462.93	2,628.38	5.14	-1.60	4.89
8,709.00	91.42	213.78	6,115.99	-2,711.07	-487.49	2,672.82	3.30	-1.16	3.09
8,755.00	92.60	215.95	6,114.38	-2,748.79	-513.76	2,717.99	5.37	2.57	4.72
8,800.00	91.97	215.44	6,112.58	-2,785.30	-540.00	2,762.05	1.80	-1.40	-1.13
8,845.00	92.59	216.49	6,110.79	-2,821.70	-566.41	2,806.07	2.71	1.38	2.33
8,890.00	91.79	214.96	6,109.07	-2,858.20	-592.66	2,850.13	3.83	-1.78	-3.40
8,936.00	91.85	214.71	6,107.61	-2,895.94	-618.92	2,895.31	0.56	0.13	-0.54
8,981.00	92.41	214.39	6,105.94	-2,932.98	-644.43	2,939.55	1.43	1.24	-0.71
9,026.00	92.59	214.36	6,103.98	-2,970.08	-669.81	2,983.80	0.41	0.40	-0.07
9,072.00	91.91	213.09	6,102.17	-3,008.31	-695.33	3,029.12	3.13	-1.48	-2.76
9,117.00	91.91	211.94	6,100.67	-3,046.23	-719.50	3,073.62	2.55	0.00	-2.56
9,162.00	91.73	208.74	6,099.24	-3,085.05	-742.22	3,118.33	7.12	-0.40	-7.11
9,208.00	91.94	212.03	6,097.77	-3,124.70	-765.47	3,164.04	7.16	0.46	7.15
9,253.00	92.47	213.16	6,096.04	-3,162.59	-789.69	3,208.52	2.77	1.18	2.51
9,298.00	91.30	212.36	6,094.56	-3,200.41	-814.03	3,252.99	3.15	-2.60	-1.78
9,344.00	92.59	213.05	6,093.00	-3,239.09	-838.87	3,298.46	3.18	2.80	1.50
9,389.00	91.11	213.82	6,091.54	-3,276.62	-863.65	3,342.85	3.71	-3.29	1.71
9,434.00	91.97	213.70	6,090.33	-3,314.02	-888.65	3,387.20	1.93	1.91	-0.27
9,480.00	92.56	213.80	6,088.52	-3,352.24	-914.19	3,432.53	1.30	1.28	0.22
9,525.00	90.43	212.81	6,087.34	-3,389.83	-938.88	3,476.94	5.22	-4.73	-2.20
9,570.00	91.59	214.15	6,086.55	-3,427.36	-963.70	3,521.34	3.94	2.58	2.98
9,615.00	92.53	214.82	6,084.93	-3,464.43	-989.16	3,565.59	2.56	2.09	1.49
9,661.00	91.59	213.97	6,083.28	-3,502.36	-1,015.13	3,610.83	2.75	-2.04	-1.85
9,706.00	92.84	215.24	6,081.54	-3,539.37	-1,040.67	3,655.05	3.96	2.78	2.82
9,751.00	90.71	213.97	6,080.14	-3,576.39	-1,066.21	3,699.28	5.51	-4.73	-2.82
9,797.00	92.91	215.74	6,078.69	-3,614.11	-1,092.48	3,744.46	6.14	4.78	3.85
9,842.00	91.91	215.12	6,076.80	-3,650.75	-1,118.55	3,788.56	2.61	-2.22	-1.38
9,887.00	92.84	215.87	6,074.93	-3,687.35	-1,144.65	3,832.65	2.65	2.07	1.67
9,933.00	90.86	214.99	6,073.45	-3,724.81	-1,171.30	3,877.74	4.71	-4.30	-1.91
9,977.00	92.28	215.23	6,072.24	-3,760.79	-1,196.60	3,920.92	3.27	3.23	0.55
10,022.00	92.78	216.02	6,070.26	-3,797.33	-1,222.78	3,964.98	2.08	1.11	1.76
10,068.00	92.03	215.74	6,068.33	-3,834.57	-1,249.72	4,009.99	1.74	-1.63	-0.61
10,113.00	92.72	216.55	6,066.46	-3,870.88	-1,276.24	4,053.97	2.36	1.53	1.80
10,158.00	91.94	216.62	6,064.63	-3,906.98	-1,303.04	4,097.89	1.74	-1.73	0.16
10,203.00	92.35	217.23	6,062.95	-3,942.93	-1,330.05	4,141.75	1.63	0.91	1.36
10,249.00	91.60	216.59	6,061.36	-3,979.69	-1,357.66	4,186.59	2.14	-1.63	-1.39
10,294.00	92.38	217.85	6,059.80	-4,015.50	-1,384.86	4,230.40	3.29	1.73	2.80
10,339.00	92.66	218.15	6,057.82	-4,050.93	-1,412.54	4,274.06	0.91	0.62	0.67
10,385.00	91.41	217.67	6,056.19	-4,087.20	-1,440.79	4,318.72	2.91	-2.72	-1.04

RECEIVED: May. 02, 2013

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Survey Report

Weatherford

Company:	NEWFIELD EXPLORATION CO.	**Local Co-ordinate Reference:**	Well GMB 2A-32T-8-17H
Project:	DUCHESNE COUNTY, UT	**TVD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Site:	GMB 2A-32T-8-17H	**MD Reference:**	WELL @ 5229.00ft (CAPSTAR 328)
Well:	GMB 2A-32T-8-17H	**North Reference:**	True
Wellbore:	GMB 2A-32T-8-17H	**Survey Calculation Method:**	Minimum Curvature
Design:	GMB 2A-32T-8-17H	**Database:**	EDM 5000.1 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LAST SVY									
10,425.00	91.42	217.92	6,055.20	-4,118.80	-1,465.29	4,357.58	0.63	0.03	0.63
PROJ SVY - PBHL GMB 2A-32T-8-17H									
10,485.00	91.42	217.92	6,053.71	-4,166.11	-1,502.16	4,415.85	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL GMB 2A-32T-8-17	0.00	0.00	6,057.65	-4,099.93	-1,841.33	7,196,631.60	2,050,192.60	40° 4' 2.669 N	110° 2' 8.606 W
- survey misses target center by 345.59ft at 10485.00ft MD (6053.71 TVD, -4166.11 N, -1502.16 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
10,425.00	6,055.20	-4,118.80	-1,465.29	LAST SVY
10,485.00	6,053.71	-4,166.11	-1,502.16	PROJ SVY

Checked By: _____ Approved By: _____ Date: _____

RECEIVED: May. 02, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22060

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: GMBU 2A-32T-8-17H

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013338030000

3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202

PHONE NUMBER: 303 382-4443 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1095 FNL 2288 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 32 Township: 08.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/25/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Site Facility/Site Security

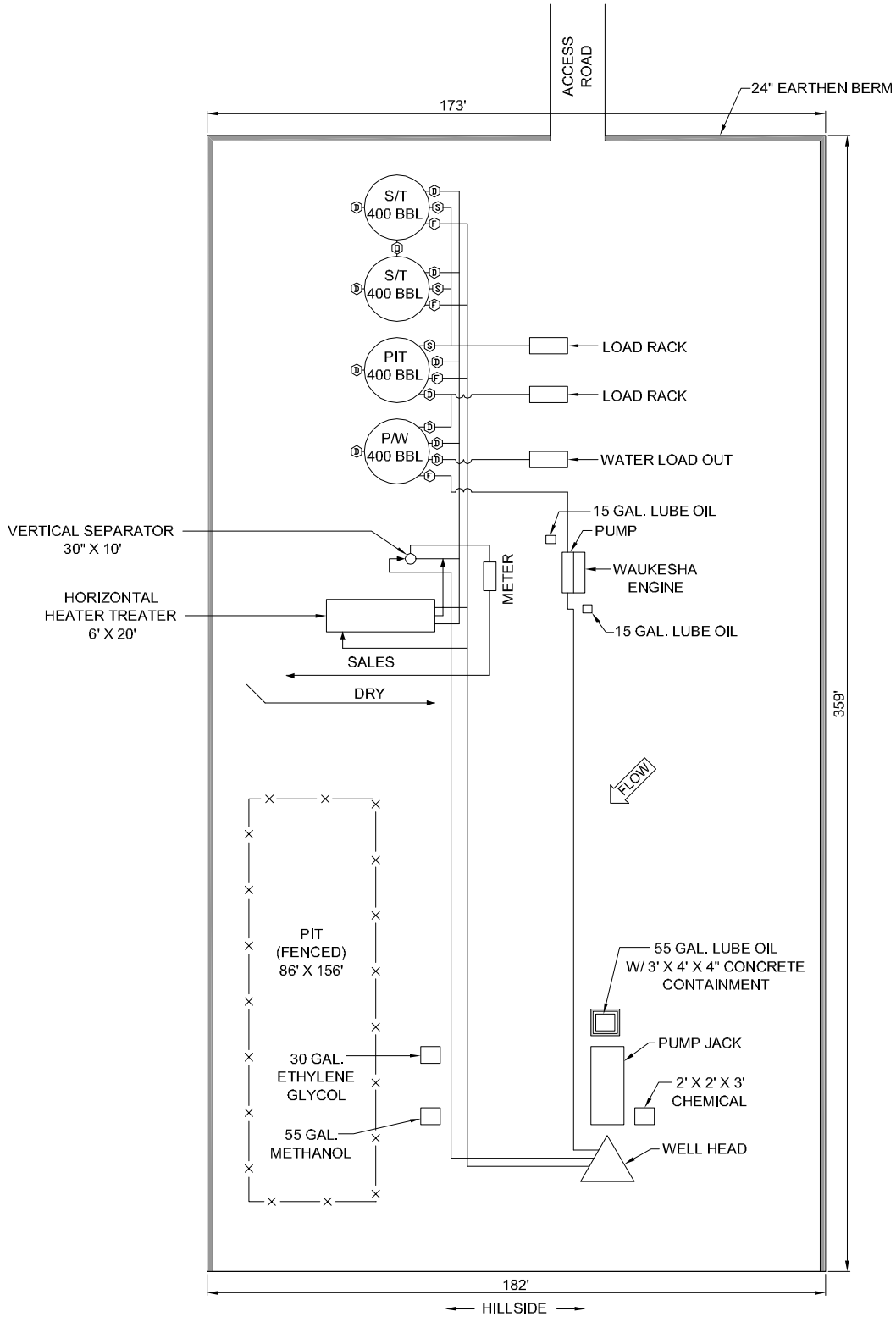
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 09, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jill L Loyle	303 383-4135	Regulatory Technician
SIGNATURE N/A		**DATE** 6/25/2013

RECEIVED: Jun. 25, 2013



POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Open	No
O	Overflow	Open/Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Open/Closed	No
S	Sales	Closed	Yes

Valve Type
D - Drain Valve
F - Flow Valve
O - Overflow
V - Vent
R - Recycle
B - Blow Down
S - Sales Valve

Federal Lease #: UTU-87538X
API #:

This lease is subject to the Site Security Plan for:
Newfield Exploration Company
19 East Pine Street
Pinedale, WY 82941

GREATER MONUMENT BUTTE 2A-32T-8-17H

Newfield Exploration Company
NWNE Sec 32, T8S, R17E
Duchesne County, UT

M.G. | SEPT 2012

POSITION OF VALVES AND USE OF SEALS DURING SALES

Valve	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
F	Oil, Gas, Water	Closed	Yes
O	Overflow	Closed	Yes
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Open	No

POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN

Valve	Line Purpose	Position	Seal Installed
D	Drain	Open	No
F	Oil, Gas, Water	Closed	No
O	Overflow	Closed	No
V	Vent	Open	No
R	Recycle	Closed	Yes
B	Blowdown	Closed	No
S	Sales	Closed	Yes

KLEINFELDER
Bright People. Right Solutions.

Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.

RECEIVED: Jun. 25, 2013